



## TOOLS AND SHOP SUPPLIES

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**5" Aluminum Oxide Paper Discs**

- Individual tabbed discs include release paper liner which gives the product a great shelf life because it stops grit or dust contamination
- Discs are open coat and include a sterate coating to resist loading
- Backing is a strong, durable and tough PSA for improved edge wear – C weight
- Ideal for sanding paint, primer, metal, wood, fiberglass and plastic
- Fast cut, long life and consistent finish
- Pres-Loc hook and loop fastening system allows for quick changes and decreased downtime
- 100 discs per package

**Stick-On**

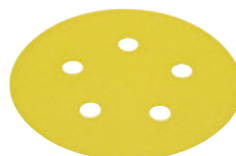
- With release paper
- 5" without holes

Grit	Item No.
P80	005.33.160
P100	005.33.161
P120	005.33.162
P150	005.33.163
P180	005.33.164
P220	005.33.165

**Hook and Loop**

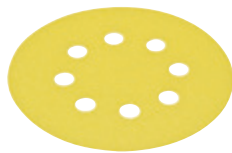
- 5" without holes

Grit	Item No.
P80	005.33.180
P100	005.33.181
P120	005.33.182
P150	005.33.183
P180	005.33.184
P220	005.33.185
P320	005.33.188

**Hook and Loop**

- 5" with 5 holes

Grit	Item No.
P80	005.33.190
P100	005.33.191
P120	005.33.192
P150	005.33.193
P180	005.33.194
P220	005.33.195
P320	005.33.198

**Hook and Loop**

- 5" with 8 holes

Grit	Item No.
P80	005.33.890
P100	005.33.891
P120	005.33.892
P150	005.33.893
P180	005.33.894
P220	005.33.895
P320	005.33.898

**Stick-on Link Disc Roll**

- 5" without holes

Grit	Item No.
P80	005.32.081
P100	005.32.082
P120	005.32.083
P150	005.32.084
P180	005.32.085
P220	005.32.086
P240	005.32.087
P320	005.32.088
P400	005.32.089



## 6" Aluminum Oxide Paper Discs

- Individual tabbed discs include release paper liner which gives the product a great shelf life because it stops grit or dust contamination
- Discs are open coat and include a sterate coating to resist loading
- Backing is a strong, durable and tough PSA for improved edge wear – C weight
- Ideal for sanding paint, primer, metal, wood, fiberglass and plastic
- Fast cut, long life and consistent finish
- Pres-Loc hook and loop fastening system allows for quick changes and decreased downtime
- 100 discs per package



### Stick-On

- With release paper
- 6" without holes

Grit	Item No.
P80	005.33.450
P100	005.33.451
P120	005.33.452
P150	005.33.453
P180	005.33.454
P220	005.33.455
P240	005.33.456
P320	005.33.457



### Hook and Loop

- 6" without holes

Grit	Item No.
P80	005.32.270
P100	005.32.271
P120	005.32.272
P150	005.32.273
P180	005.32.274
P220	005.32.275
P240	005.32.276
P320	005.32.277



### Hook and Loop

- 6" with 9 holes

Grit	Item No.
P80	005.33.370
P100	005.33.371
P120	005.33.372
P150	005.33.373
P180	005.33.374
P220	005.33.375
P320	005.33.378



### Stick-on Link Disc Roll

- 6" without holes

Grit	Item No.
P80	005.32.091
P100	005.32.092
P120	005.32.093
P150	005.32.094
P180	005.32.095
P220	005.32.096
P320	005.32.098

Dimensional data not binding. We reserve the right to alter specifications without notice.

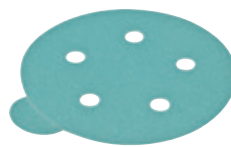
**5" Premium Aluminum Oxide FilmBac Discs**

- Individual tabbed discs include release paper liner which gives the product a great shelf life because it stops grit or dust contamination
- Discs are open coat and include a sterate coating to resist loading
- Ideal for sanding paint, primer, metal, wood, fiberglass and plastic
- Fast cut, long life and consistent finish
- Pres-Loc hook and loop fastening system allows for quick changes and decreased downtime
- FilmBac is a tough, polyester film backing that is strong and durable lasting 3 to 4 times longer than standard paper discs
- Ultimate tear resistance and sanding uniformity for consistent sand scratch depth throughout the life of the disc
- 100 discs per package

**Stick-On**

- FilmBac with release paper
- 5" without holes

Grit	Item No.
P80	005.33.220
P100	005.33.221
P120	005.33.222
P150	005.33.223
P180	005.33.224
P220	005.33.225
P240	005.33.226
P320	005.33.227

**Stick-On**

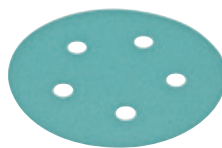
- FilmBac with release paper
- 5" with 5 holes

Grit	Item No.
P80	005.33.230
P100	005.33.231
P120	005.33.232
P150	005.33.233
P180	005.33.234
P220	005.33.235

**Hook and Loop**

- FilmBac
- 5" without holes

Grit	Item No.
P80	005.33.200
P100	005.33.201
P120	005.33.202
P150	005.33.203
P180	005.33.204
P220	005.33.205
P320	005.33.207

**Hook and Loop**

- FilmBac
- 5" with 5 holes

Grit	Item No.
P80	005.33.210
P100	005.33.211
P120	005.33.212
P150	005.33.213
P180	005.33.214
P220	005.33.215

## 5" Premium Aluminum Oxide FilmBac Discs

- Individual tabbed discs include release paper liner which gives the product a great shelf life because it stops grit or dust contamination
- Discs are open coat and include a sterate coating to resist loading
- Ideal for sanding paint, primer, metal, wood, fiberglass and plastic
- Fast cut, long life and consistent finish
- Pres-Loc hook and loop fastening system allows for quick changes and decreased downtime
- FilmBac is a tough, polyester film backing that is strong and durable lasting 3 to 4 times longer than standard paper discs
- Ultimate tear resistance and sanding uniformity for consistent sand scratch depth throughout the life of the disc
- 100 discs per package



### Stick-On

- FilmBac with release paper
- 5" with 8 holes

Grit	Item No.
P80	005.33.270
P100	005.33.271
P120	005.33.272
P150	005.33.273
P180	005.33.274
P220	005.33.275

### Hook and Loop

- 5" with 8 holes

Grit	Item No.
P80	005.33.290
P100	005.33.291
P120	005.33.292
P150	005.33.293
P180	005.33.294
P220	005.33.295

### Hook and Loop

- 5" with 9 holes

Grit	Item No.
P80	005.33.330
P100	005.33.331
P120	005.33.332
P150	005.33.333
P180	005.33.334
P220	005.33.335

## 6" Premium Aluminum Oxide FilmBac Discs

- Individual tabbed discs include release paper liner which gives the product a great shelf life because it stops grit or dust contamination
- Discs are open coat and include a sterate coating to resist loading
- Ideal for sanding paint, primer, metal, wood, fiberglass and plastic
- Fast cut, long life and consistent finish
- Pres-Loc hook and loop fastening system allows for quick changes and decreased downtime
- FilmBac is a tough, polyester film backing that is strong and durable lasting 3 to 4 times longer than standard paper discs
- Ultimate tear resistance and sanding uniformity for consistent sand scratch depth throughout the life of the disc
- 100 discs per package



### Stick-On

- FilmBac with release paper
- 6" without holes

Grit	Item No.
P80	005.33.410
P100	005.33.411
P120	005.33.412
P150	005.33.413
P180	005.33.414
P220	005.33.415
P240	005.33.416
P320	005.33.417

### Hook and Loop

- 6" without 8 holes

Grit	Item No.
P80	005.33.420
P100	005.33.421
P120	005.33.422
P150	005.33.423
P180	005.33.424
P220	005.33.425
P240	005.33.426
P320	005.33.427

### Hook and Loop

- 6" with 9 holes

Grit	Item No.
P100	005.33.391
P120	005.33.392
P150	005.33.393
P180	005.33.394
P220	005.33.395

Dimensional data not binding. We reserve the right to alter specifications without notice.

## Aluminum Oxide Dri-Lube Resin Paper Discs



### Open Stick-On Link Disc Roll

- P-graded, heat-treated aluminum oxide abrasive
- Superior bond system
- B-weight PSA paper backing
- Special undyed stearate oversize
- Link disc roll design
- 4-pack with polybags
- 100 discs per package

#### Benefits

- 30% to 50% faster cut rate than other paper discs
- Uniform scratch pattern
- Improved grain adhesion
- Industry's longest disk life
- Superior resistance to delamination and tearing
- Easy application and removal from pad
- No pigment transfer
- Easy dispensing
- Minimizes storage space
- Reduces cardboard waste
- Protects individual rolls
- Superior load resistance

#### Application

Best choice for sanding all paints, primers, plastics and fiberglass. Also suited for sealer and wash coats in wood furniture.

- 5" without holes

Grit	Item No.
P80	005.32.310
P100	005.32.311
P120	005.32.312
P150	005.32.313
P180	005.32.314
P220	005.32.315
P240	005.32.316
P280	005.32.317
P320	005.32.318

- 6" without holes

Grit	Item No.
P80	005.32.330
P100	005.32.331
P120	005.32.332
P150	005.32.333
P180	005.32.334



### Open Vacuum Stick-On Link Disc Roll

- Heat-treated premium, P-graded aluminum oxide abrasive
- Superior bond system
- B-weight paper backing
- Special undyed stearate oversize
- PSA backing
- Link disc roll (LDR)
- 100 discs per package

#### Benefits

- 30% to 50% faster cut rate than other paper discs
- Uniform scratch pattern
- Industry's longest disc life
- Improved grain adhesion
- Superior resistance to delamination and tearing
- Easy removal from pad
- Dust-free sanding environment
- Superior load resistance
- Easy application and removal
- No pigment transfer
- Easy dispensing

#### Application

Best choice for sanding all paints, primers, plastics and fiberglass. Also suited for sealer and wash-coats in wood furniture.

- 5" with 5 holes



Grit	Item No.
P80	005.32.180
P100	005.32.181
P120	005.32.182
P150	005.32.183
P180	005.32.184
P220	005.32.185

Dimensional data not binding. We reserve the right to alter specifications without notice.

## Aluminum Oxide Dri-Lube Resin Paper Discs

- P-graded, heat treated aluminum oxide abrasive
- Superior bond system
- B-weight paper backing
- Special undyed stearate oversize
- Hook and loop fastening system
- Vacuum holes
- 100 discs per package

**Benefits**

- 30% to 50% faster cut rate than other paper discs
- Uniform scratch pattern
- Industry's longest disc life
- Improved grain adhesion
- No pigment transfer
- Superior resistant to delamination and tearing
- Easy application and removal from pad
- Dust-free sanding environment
- Superior load resistance
- Can be re-used
- Neat clean application and removal

**Application**

Best choice for sanding all paints, primers, plastics and fiberglass. Also suited for sealer and wash-coats in wood furniture.



## Open Vacuum Grip-On Discs

- 5" without 5 Vacuum holes

Grit	Item No.
P80	005.32.280
P100	005.33.141
P120	005.32.281
P150	005.33.143
P180	005.32.282
P220	005.32.283
P320	005.32.284

- 5" with 8 Vacuum holes

Grit	Item No.
P80	005.32.192
P100	005.32.193
P120	005.32.194
P150	005.32.195
P180	005.32.196
P220	005.32.197

- 6" with 6 Vacuum holes

Grit	Item No.
P80	005.32.290
P100	005.32.291
P120	005.32.292
P150	005.32.293
P180	005.32.294
P220	005.32.295



## Aluminum Oxide Wide Belts

- P-graded light brown aluminum oxide abrasive
- Full resin bond system
- X-weight poly/cotton backing

### Benefits

- Uniform scratch pattern
- Increased strength
- Resists loading

### Application

Applications include finishing of wood and non-ferrous metals.



## Resin Cloth Open

37" × 60"

Grit	Item No.	Belts/Pkg.
P60	005.32.061	3
P80	005.32.062	3
P100	005.32.063	5
P120	005.32.064	5
P150	005.32.065	5
P180	005.32.066	5

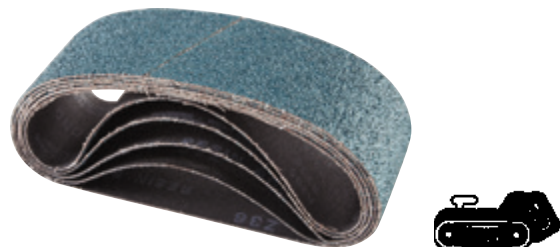
37" × 75"

Grit	Item No.	Belts/Pkg.
P60	005.32.071	3
P80	005.32.072	3
P100	005.32.073	5
P120	005.32.074	5
P150	005.32.075	5
P180	005.32.076	5

### Note

Special size wide belts available. Please inquire.

## Portable Belts



### Resin Cloth Open

- Zirconia alumina abrasive
- Y-weight cotton backing
- Open coat
- Butt tape joint
- PSA backing
- Packaged in convenient, durable contractor packs
- 5 pcs. per package

#### Benefits

- Aggressive, rapid cut rate
- Extended life
- Reduced loading
- Reversible, excellent durability
- Job specific labeling; easy product identification

#### Application

Excellent for finishing wood and non-metallic materials.

3" x 21"

Grit	Item No.
36	005.32.650
50	005.32.651
80	005.32.652
120	005.32.653

3" x 24"

Grit	Item No.
36	005.32.540
50	005.32.541
80	005.32.542
120	005.32.543

4" x 24"

Grit	Item No.
36	005.32.530
50	005.32.531
80	005.32.532
120	005.32.533

#### Supplied With

5 pcs. per pack

#### Note

Special sizes available upon request.



### Aluminum Oxide Resin Cloth

- Aluminum oxide abrasive
- Full resin bond system
- X-weight poly/cotton tap splice backing
- Butt tape joint
- 10 pcs. per package

#### Benefits

- Aggressive, rapid cut rate
- Extended life
- Reduced loading
- Reversible, excellent durability
- Job specific labeling; easy product identification

#### Application

Ideal for operation on sanders requiring a belt specification that does not generate heat, but is capable of sanding a variety of materials. Open coat for fast stock removal and reduced loading.

4" x 24"

Grit	Item No.
40	005.32.041
50	005.32.042
60	005.32.043
80	005.32.044
100	005.32.045
120	005.32.046
150	005.32.047

3" x 21"

Grit	Item No.
40	005.32.021
50	005.32.022
60	005.32.023
80	005.32.024
100	005.32.025
120	005.32.026
150	005.32.027

3" x 24"

Grit	Item No.
40	005.32.031
50	005.32.032
60	005.32.033
80	005.32.034
100	005.32.035
120	005.32.036
150	005.32.037

#### Supplied With

10 pcs. per pack

Dimensional data not binding. We reserve the right to alter specifications without notice.

## Aluminum Oxide Dri-Lube Resin Paper

- P-graded, heat-treated aluminum oxide abrasive
- Resin bond
- Heavy B-weight paper backing
- Unique anti-loading agent
- PSA backing

### Benefits

- Unequalled cut and life with consistent finish
- No pigment transfer
- Excellent pliability and tear resistance
- Superior load resistance
- Easy application and removal

### Application

Best choice for paint, primers, plastics, fiberglass, wood, and sealer sanding.



## Open Stick-On Sheet Rolls

4 1/2" x 10 Yards

Grit		Item No.
P80	B 0912 DO	005.32.510
P120	B 0912 DO	005.32.512
P150	B 0912 DO	005.32.513
P180	B 0912 DO	005.32.514
P220	B 0912 DO	005.32.515

2 3/4" x 30 Yards

Grit		Item No.
P100	B 0912 DO	005.32.102
P120	B 0912 DO	005.32.103

2 3/4" x 45 Yards

Grit		Item No.
P150	B 0912 DO	005.32.104
P180	B 0912 DO	005.32.105
P220	B 0912 DO	005.32.106
P240	B 0912 DO	005.32.107
P400	B 0912 DO	005.32.109

2 3/4" x 25 Yards

Grit		Item No.
P80	B 0912 DO	005.32.101

## Aluminum Oxide Dri-Lube Sheets



### Resin Paper Open

- P-graded, heat-treated aluminum oxide abrasive
- Resin bond system
- B-weight paper backing
- Special undyed stearate oversize

#### Benefits

- 30% to 50% faster cut rate
- Uniform scratch pattern
- No pigment transfer
- Excellent grain adhesion
- Superior resistance to delamination and tearing
- Superior load resistance

#### Application

Ultimate choice for machine and hand sanding of paints, primers, light metals, and basecoat/clearcoat paints.

9" x 11"

Grit		Item No.	Sheets/Pkg.
P80	B 0912 DO	005.32.400	50
P100	B 0912 DO	005.32.401	100
P120	B 0712 DO	005.32.402	100
P150	B 0912 DO	005.32.403	100
P180	B 0912 DO	005.32.404	100
P220	B 0912 DO	005.32.405	100
P240	B 0912 DO	005.32.406	100
P280	B 0912 DO	005.32.407	100
P320	B 0912 DO	005.32.408	100
P400	B 0912 DO	005.32.409	100
P600	B 0912 DO	005.32.410	100



### Paper Open

- Gold aluminum oxide abrasive
- Stearated

#### Benefits

- Fast cut, long life with consistent finish
- Improved load resistance
- Increased flexibility

#### Application

For hand and machine sanding of paint, primer, plastics and fiberglass, as well as whitewood, clean-up, and repair.

9" x 11"

Grit	Weight	Item No.	Sheets/Pkg.
P80	C	005.32.420	50
P100	C	005.32.421	100
P120	C	005.32.422	100
P150	B	005.32.423	100
P180	B	005.32.424	100
P220	B	005.32.425	100
P240	B	005.32.426	100
P280	B	005.32.427	100
P320	B	005.32.428	100
P400	B	005.32.429	100
P600	B	005.32.430	100

**Silicon Carbide Dri-Lube Paper Open**

- Silicon carbide abrasive
- Stearated
- Heavy A or B weight paper

**Benefits**

- Sharp cut, excellent finish
- Strong, minimum edge wear
- Tear resistance

**Application**

For hand and machine sanding paint and primer, as well as whitewood clean-up and sealer sanding.

Grit	Weight	Item No.	Sheets/Pkg.
P80	A	005.32.110	50
P100	A	005.32.111	100
P120	A	005.32.112	100
P150	A	005.32.113	100
P180	A	005.32.114	100
P220	A	005.32.115	100
P240	A	005.32.116	100
P280	A	005.32.117	100
P320	A	005.32.118	100
P400	B	005.32.119	100

**Sponge Hand Pad**

- Non-woven nylon, low density product impregnated with abrasive grain
- Numerous applications

**Benefits**

- Excellent conformability and flexibility
- Replacement for steel wool and wire brushes
- Easy to fold

W x H x D: 6" x 9" x 1/4"

**White**

- For general clean-up, light primer rub down and paint overspray removal
- 20 pads per package

Grit/Abrasive	Item No.
non-abrasive	005.32.161

**Gray**

- For denibbing between finish coats as well as lacquer rubbing
- 20 pads per package

Grit/Abrasive	Item No.
ultra fine (600 grit) silicon carbide	005.32.163

**Maroon**

- For cleaning, deburring, corrosion and oxidation removal
- 20 pads per package

Grit/Abrasive	Item No.
very fine aluminum oxide fast cut	005.32.166

**Green**

- For heavy duty cleaning and for removal of paint, rust and corrosion
- 20 pads per package

Grit/Abrasive	Item No.
general purpose	005.32.167

**Flexible Sanding Sponge**

- Ideal for sanding sealer and wash-coats in wood furniture and cabinets, and for touch-up or repair of primer.

W x H x D: 4 3/4" x 3 3/4" x 1/2"

Material: Silicon Carbide

Grading	Grit	Item No.
fine	220	005.32.173
medium	150	005.32.172
coarse	100	005.32.171

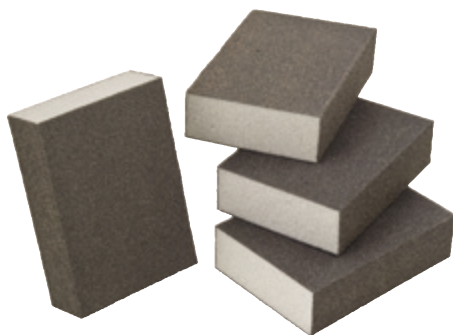
**EZ Touch Sanding Sponge**

- Comfortable design
- Washable
- Long lasting
- Can be used wet or dry
- For use on wood, metal, fiberglass, composites, and plastic
- Works on primed stained, sealed, or painted surfaces

W x H x D: 4 1/2" x 5 1/2" x 3/16"

Material: Medium, fine, and super fine: Aluminum Oxide  
Ultra fine and micro fine: Silicon Carbide

Grading	Grit	Item No.
medium	60	005.32.175
fine	100	005.32.176
super fine	180	005.32.177
ultra fine	220	005.32.178
micro fine	280	005.32.179
micro fine	320	005.32.150

**Four-Sided Foam Sanding Sponge**

- High cutting power and long lifespan
- Coated on 4 sides
- Ideal for surfaces and profiles
- Uniform surface finishing
- High quality foam provides a flexible, non-cracking pad

W x H x D: 2 5/8" x 3 3/4" x 1"

Material: Aluminum Oxide

Grit	Item No.
60	005.32.144
80	005.32.145
100	005.32.146
120	005.32.147
180	005.32.148
220	005.32.149



## Titebond®



## Original Wood Glue

- Fast set-shortens clamp time
- Excellent heat and solvent-resistance
- Excellent sandability
- Easy cleanup with water
- Versatile-bonds wood, hardwood, high pressure laminates and particleboard

## APPLICATION GUIDELINES

**Application temperature:** Above 50°F.

**Assembly time after glue application:** 5 minutes (70°F/50% RH)

**Minimum required spread:** 7 mils (typical)

**Required clamping pressure:** Enough to bring joints tightly together (generally, 30-80 psi for HPL, 100-150 psi for softwoods, 125-175 psi for medium woods and 175-250 psi for hardwoods)

**Methods of application:** Easily spread with a roller spreader or brush, or may be transferred to plastic bottles for finer gluing applications.

**Cleanup:** Damp cloth while glue is wet. Scrape off dried excess.

## BOND STRENGTH ASTM D-905 (On Hard Maple)

Temperature	Strength psi	% wood failure
Room Temperature	3,600	77
150°F Overnight	1,600	10

## LIMITATIONS

Not intended for exterior use or where moisture is likely. For exterior applications use Titebond II Premium Wood Glue. Freezing may not affect the function of the product, but may cause it to thicken. Agitation should restore product to original form. KEEP FROM FREEZING.

Size	Item No.
1 gallon	003.15.001
5 gallons	003.15.002

## Note

Chalk temperature indicates the lowest approximate temperature at which the glue, air or materials to be bonded may be to assure a good bond.



## Premium Wood Glue

- Designed for exterior use
- Excellent heat and solvent-resistance
- Easy cleanup with water
- Ideal for radio frequency (R-F) and Hot press gluing systems
- FDA approved for indirect food contact (i.e. cutting boards)

## APPLICATION GUIDELINES

**Application temperature:** Above 55°F.

**Assembly time after glue application:** 5 minutes (70°F/50% RH)

**Minimum required spread:** 7 mils (typical)

**Required clamping pressure:** Enough to bring joints tightly together (generally, 30-80 psi for HPL, 100-150 psi for softwoods, 125-175 psi for medium woods and 175-250 psi for hardwoods)

**Methods of application:** Easily spread with a roller spreader or brush, or may be transferred to plastic bottles for finer gluing applications.

**Cleanup:** Damp cloth while glue is wet. Scrape off dried excess.

## BOND STRENGTH ASTM D-905 (On Hard Maple)

Temperature	Strength psi	% wood failure
Room Temperature	3,750	72
150°F Overnight	1,750	6

## LIMITATIONS

Passes ANSI/HPVA Type II water-resistance tests. Do not use for joints below the waterline or continuous submersion. Freezing may not affect the function of the product but may cause it to thicken. Agitation should restore product to original form. Because of variances in the surfaces of treated lumber, it is a good idea to test for adhesion. KEEP FROM FREEZING.

Size	Item No.
1 gallon	003.15.011
5 gallons	003.15.012



## Empty Glue Bottle and Cap with Control Tip

Description	Item No.
16 oz. bottle	003.48.000
cap with control tip	003.48.090

Dimensions in mm  
Inches are approximate

## Titebond®



## Doweling L.V.

- For use with automatic doweling equipment
- Very low viscosity for better flow
- Excellent flow characteristics
- Fast setting

## Physical Properties (typical)

## Type:

Aliphatic resin emulsion

## State:

Liquid

## Color:

White

## Dried film:

Translucent

## Solids:

43.6%

## Viscosity:

140 cps

## pH:

4.7

## Calculated VOC (less water):

9.6 g/L

## Weight/gallon:

9 lbs.

## Chalk temperature:

Approx. 45°F.

## Flashpoint:

&gt;200°F.

## Freeze/thaw stability:

Unstable

## Storage life:

12 months in tightly closed containers at 70°F

## APPLICATION GUIDELINES

**Application temperature:** Above 45°F.**Assembly time after glue application:** 0-5 minutes (70°F/50% RH)**Methods of application:** Compatible with most European-made automatic doweling machines. See your machine's owner manual for details.**Cleanup:** Damp cloth while glue is wet. Scrape off and sand dried excess.

## BOND STRENGTH ASTM D-905 (On Hard Maple)

Temperature	Strength psi	% wood failure
Room Temperature	2,711	32
150°F Overnight	1,890	0

## LIMITATIONS

Titebond Doweling Glue L.V. is specifically formulated for use with European-made doweling equipment. Because of its extreme low viscosity, it is not well suited for other assembly applications. THIS PRODUCT SHOULD BE USED AS SUPPLIED AND NOT DILUTED. Not recommended for exterior use or where moisture is likely. Do not use when temperature, glue or materials are below 45°F. This product is NOT freeze/thaw stable. Read MSDS before use. NOTE: STIR PRODUCT BEFORE USE TO ENSURE UNIFORMITY. KEEP FROM FREEZING.

Size	Item No.
5 gallons	003.15.092

## Note

Chalk temperature indicates the lowest recommended temperature at which the glue, air and materials can be during application, to assure a good bond.



## Extend Wood Glue

## Physical Properties (typical)

## Type:

Aliphatic resin emulsion

## State:

Liquid

## Color:

Yellow

## Dried film:

Yellow

## Solids:

42.3%

## Viscosity:

3,500 cps

## pH:

4.8

## Calculated VOC (less water):

3.1 g/L

## Weight/gallon:

9.7 lbs.

## Chalk temperature:

Approx. 40°F.

## Flashpoint:

&gt;200°F.

## Freeze/thaw stability:

Stable

## Storage life:

6 months in tightly closed containers at 70°F

## APPLICATION GUIDELINES

**Application temperature:** Above 40°F.**Assembly time after glue application:** 15 minutes (70°F/50% RH)**Minimum required spread:** 7 mils (typical)**Required clamping pressure:** Enough to bring joints tightly together (generally, 30-80 psi for HPL, 100-150 psi for softwoods, 125-175 psi for medium woods and 175-250 psi for hardwoods)**Methods of application:** Easily spread with a roller spreader or brush, or may be transferred to plastic bottles for finer gluing applications.**Cleanup:** Damp cloth while glue is wet. Scrape off dried excess.

## BOND STRENGTH ASTM D-905 (On Hard Maple)

Temperature	Strength psi	% wood failure
Room Temperature	3,510	81
150°F Overnight	3,120	61

## LIMITATIONS

Not intended for exterior use or where moisture is likely. For exterior applications use Titebond II Premium Wood Glue. Freezing may not affect the function of the product but may cause it to thicken. Agitation should restore product to original form. It is recommended that Titebond Extend Wood Glue not be stored for extended periods at temperatures lower than 40°. KEEP FROM FREEZING.

Size	Item No.
1 gallon	003.15.021

## Note

Chalk temperature indicates the lowest approximate temperature at which the glue, air or materials to be bonded may be to assure a good bond.

## Titebond®



### Extend Wood Glue

- Passes Type II water-resistance testing
- Slower speed of set – longer open time
- Hot press and R-F compatible
- Heat and solvent-resistant
- Excellent sandability

#### Physical Properties (typical)

##### Type:

Cross-linking  
polyvinyl acetate emulsion

##### State:

Liquid

##### Color:

Off white

##### Dried film:

Cream

##### Solids:

48-50%

##### Viscosity:

3,000-4,000 cps

##### pH:

2.5-3.5

##### Calculated VOC (less water):

4.1 g/L

##### Weight/gallon:

9.3 lbs.

##### Chalk temperature:

Approx. 60°F.

##### Flashpoint:

>200°F.

##### Freeze/thaw stability:

Stable

##### Storage life:

6 months in tightly  
closed containers at 70°F

#### APPLICATION GUIDELINES

**Application temperature:** Above 50°F.

**Assembly time after glue application:** 15 minutes (70°F/50% RH)

**Minimum required spread:** 7 mils (typical)

**Required clamping pressure:** Enough to bring joints tightly together (generally, 30-80 psi for HPL, 100-150 psi for softwoods, 125-175 psi for medium woods and 175-250 psi for hardwoods)

**Methods of application:** Easily spread with a roller spreader or brush, or may be transferred to plastic bottles for finer gluing applications.

**Cleanup:** Damp cloth while glue is wet. Scrape off dried excess.

#### BOND STRENGTH ASTM D-905 (On Hard Maple)

Temperature	Strength psi	% wood failure
Room Temperature	3,844	48
150°F Overnight	1,820	6

#### LIMITATIONS

Do not use for joints below the waterline or continuous submersion. Freezing may not affect the function of the product but may cause it to thicken. Agitation should restore product to original form. Because of variances in the surfaces of treated lumber, it is a good idea to test for adhesion. NOTE: STIR PRODUCT BEFORE USE TO ENSURE UNIFORMITY. KEEP FROM FREEZING.

Size	Item No.
1 gallon	003.15.031



### Ultimate Wood Glue

- Waterproof – Passes ANSI/HPVA Type I Specification
- Superior strength
- Longer open time
- Lower application temperature
- Resists solvents, heat and mildew
- Unaffected by finishes
- Water cleanup & Non-toxic
- FDA approved for indirect food contact
- Sands easily without softening
- Safer than traditional waterproof glues

#### Physical Properties (typical)

##### Type:

Advanced Proprietary Polymer

##### State:

Liquid

##### Color:

Tan

##### Dried film:

Light Brown

##### Solids:

52%

##### Viscosity:

4,200 cps

##### pH:

2.5-3.0

##### Calculated VOC (less water):

5.6 g/L

##### Weight/gallon:

9.22 lbs.

##### Chalk temperature:

Approx. 47°F.

##### Flashpoint:

>200°F.

##### Freeze/thaw stability:

Stable (5 cycles)

##### Storage life:

12 months in tightly  
closed containers at 75°F

Size	Item No.
1 gallon	003.15.061
5 gallons	003.15.062

#### Note

Chalk temperature indicates the lowest approximate temperature at which the glue, air or materials to be bonded may be to assure a good bond.

### Titebond®

#### Fluorescent Wood Glue

- Same superior performance as Titebond® II Premium Wood Glue
- Detects unwanted glue residue when viewed under a black light
- Residual glue can be sanded off prior to applying stains
- Passes ANSI type II water-resistance
- Strong initial tack – Superior Strength
- Fast set & short clamp time
- Clean up with water – non toxic
- Excellent sandability



#### Physical Properties (typical)

**Type:** Cross-linking polyvinyl acetate

**State:** Liquid

**Color:** Honey Cream

**Dried film:**

Translucent, yellow

**Solids:** 48%

**Viscosity:** 4,000 cps

**pH:** 3.0

**Calculated VOC (less water):** 5.5 g/L

**Weight/gallon:** 9.1 lbs.

**Chalk temperature:**

Approx. 55°F.

**Flashpoint:** >200°F.

**Freeze/thaw stability:** Stable

**Storage life:** 12 months in tightly closed containers at 75°F

#### APPLICATION GUIDELINES

**Application temperature:** Above 55°F.

**Assembly time after glue application:** 5 minutes (70°F/50% RH)

**Total assembly time:** 10–15 minutes (70°F/50% RH)

**Minimum required spread:** Approximately 6 mils or 250 square feet per gallon

**Required clamping pressure:** Enough to bring joints tightly together (generally, 100-150 psi for softwoods, 125-175 psi for medium woods and 175-250 psi for hardwoods)

**Methods of application:** Easily spread with a roller spreader or brush, or may be transferred to plastic bottles for finer gluing applications.

**Cleanup:** Damp cloth while glue is wet. Scrape off and sand dried excess.

#### BOND STRENGTH ASTM D-905 (On Hard Maple)

Temperature	Strength psi	% wood failure
Room Temperature	3,750	72
150°F Overnight	1,750	6

#### LIMITATIONS

Not for continuous submersion or for use below the waterline. Not for structural or load bearing applications. Do not use when temperature, glue or materials are below 55°F. Freezing may not affect the function of the product but may cause it to thicken. Agitation should restore product to original form. Because of variances in the surfaces of treated lumber, it is a good idea to test for adhesion. Read MSDS before use. **KEEP FROM FREEZING. KEEP OUT OF THE REACH OF CHILDREN**

Size	Item No.
1 gallon	003.15.013
5 gallons	003.15.014

#### Note

Chalk temperature indicates the lowest approximate temperature at which the glue, air or materials to be bonded may be to assure a good bond.

### Dark Wood Glue

- Same superior performance as Titebond® II Premium Wood Glue
- Formulated for Darker wood
- Passes ANSI Type II water-resistance
- Designed for interior and exterior applications
- Excellent sandability
- Unaffected by finishes
- Ideal for radio frequency (R-F) gluing systems
- Easy clean-up with water
- Ideal for wood, hardboard, particleboard, leather, cloth and most porous materials



#### Physical Properties (typical)

**Type:** Cross-linking polyvinyl acetate

**State:** Liquid

**Color:** Light Brown

**Dried film:** Brown

**Solids:** 48%

**Viscosity:** 4,000 cps

**pH:** 3.0

**Calculated VOC (less water):** 5.5 g/L

**Weight/gallon:** 9.1 lbs.

**Chalk temperature:**

Approx. 55°F.

**Flashpoint:** >200°F.

**Freeze/thaw stability:** Stable

**Storage life:** 12 months in tightly closed containers at 75°F

#### APPLICATION GUIDELINES

**Application temperature:** Above 50°F.

**Assembly time after glue application:** 5 minutes (70°F/50% RH)

**Total assembly time:** 15 minutes (70°F/50% RH)

**Minimum required spread:** Approximately 6 mils or 250 square feet per gallon

**Required clamping pressure:** Enough to bring joints tightly together (generally, 100-150 psi for softwoods, 125-175 psi for medium woods and 175-250 psi for hardwoods)

**Methods of application:** Plastic bottles for fine applications; glue may also be spread with a roller spreader or brush.

**Cleanup:** Damp cloth while glue is wet. Scrape off and sand dried excess.

#### BOND STRENGTH ASTM D-905 (On Hard Maple)

Temperature	Strength psi	% wood failure
Room Temperature	3,600	77
150°F Overnight	1,600	10

#### LIMITATIONS

Not for continuous submersion or for use below the waterline. Not for structural or load bearing applications. Do not use when temperature, glue or materials are below 55°F. Freezing may not affect the function of the product but may cause it to thicken. Agitation should restore product to original form. Because of variances in the surfaces of treated lumber, it is a good idea to test for adhesion.

Not FDA approved for indirect food contact. Read MSDS before use. **KEEP FROM FREEZING. KEEP OUT OF THE REACH OF CHILDREN.**

Size	Item No.
16 oz.	003.15.081
1 gallon	003.15.082

## Titebond®

### Liquid Hide Glue

- Ready-to-use form, requires no mixing, heating or stirring
- Ideal for fine furniture or musical instrument repair
- Excellent sandability
- Unaffected by finishes
- Excellent creep-resistance
- Can be used to create a “crackling effect” on wood
- Slow set allows precise assembly



#### Physical Properties (typical)

**Type:** Natural protein emulsion  
**State:** Liquid  
**Color:** Amber  
**Dried film:** Translucent  
**Solids:** 52%  
**Viscosity:** 4,000 cps  
**pH:** 6.5

**Calculated VOC (less water):** 0 g/L  
**Weight/gallon:** 9.6 lbs.  
**Flashpoint:** >200°F.  
**Freeze/thaw stability:** Stable  
**Storage life:** 12 months in tightly closed containers at 75°F

#### APPLICATION GUIDELINES

**Application temperature:** Above 50°F.  
**Assembly time after glue application:** 10 minutes (70°F/50% RH)  
**Total assembly time:** 20–30 minutes (70°F/50% RH)  
**Minimum required spread:** Approximately 6 mils or 250 square feet per gallon  
**Required clamping pressure:** Enough to bring joints tightly together (generally, 100–150 psi for softwoods, 125–175 psi for medium woods and 175–250 psi for hardwoods)  
**Methods of application:** Can be applied by roller or dip spreader, pressurized oil cans, plastic applicators, brush or stick.  
**Cleanup:** Damp cloth while glue is wet. Scrape off and sand dried excess.

#### BOND STRENGTH ASTM D-905 (On Hard Maple)

Temperature	Strength psi	% wood failure
Room Temperature	3,591	72
150°F Overnight	3,207	59

#### LIMITATIONS

Not intended for exterior use or where moisture is likely. Not for structural or load bearing applications. For exterior applications use Titebond III Ultimate Wood Glue or Titebond II Premium Wood Glue. Freezing may not affect the function of the product but may cause it to thicken. Agitation should restore product to original form. KEEP FROM FREEZING.

Size	Item No.
16 oz.	003.57.140

#### Note

Chalk temperature indicates the lowest approximate temperature at which the glue, air or materials to be bonded may be to assure a good bond.

### Moulding & Trim Glue

- Versatile – bonds most porous and semi-porous materials
- Extra-thick formula helps fill small cracks and gaps
- No-runs, no-drips
- Strong initial tack
- Unaffected by finishes
- Excellent sandability
- Easy cleanup with water
- Nonflammable - no offensive odor
- For finish trim, crown moulding, baseboards and window casings



#### Physical Properties (typical)

**Type:** Thixotropic polyvinyl acetate  
**State:** High-viscosity liquid  
**Color:** Beige  
**Dried film:** Translucent  
**Solids:** 60%  
**Viscosity:** 36,500 cps  
**pH:** 4.8

**Calculated VOC (less water):** 9.8 g/L  
**Chalk temperature:** Approx. 50°F  
**Weight/gallon:** 9.0 lbs.  
**Flashpoint:** >200°F.  
**Freeze/thaw stability:** Stable  
**Storage life:** 12 months in tightly closed containers at 75°F

#### APPLICATION GUIDELINES

**Application temperature:** Above 50°F.  
**Assembly time after glue application:** 3–5 minutes (70°F/50% RH)  
**Total assembly time:** 10–15 minutes (70°F/50% RH)  
**Minimum required spread:** Approximately 6 mils or 250 square feet per gallon  
**Required clamping pressure:** Enough to bring joints tightly together (generally, 100–150 psi for softwoods, 125–175 psi for medium woods and 175–250 psi for hardwoods)  
**Methods of application:** Plastic bottles for fine applications; glue may also be spread with a roller spreader or brush.  
**Cleanup:** Damp cloth while glue is wet. Scrape off and sand dried excess.

#### BOND STRENGTH ASTM D-905 (On Hard Maple)

Temperature	Strength psi	% wood failure
Room Temperature	3,000	7
150°F Overnight	650	0

#### LIMITATIONS

Not intended for exterior use or where moisture is likely. For exterior applications, use Titebond III Ultimate Wood Glue or Titebond II Premium Wood Glue. Do not use when temperature, glue or materials are below 55°F. Freezing may not affect the function of the product but may cause it to thicken. Agitation should restore product to original form. Read MSDS before use. KEEP FROM FREEZING.

Size	Item No.
16 oz.	003.57.150



## Titebond®

### No-Run, No-Drip Glue

- Versatile – bonds most porous and semi-porous materials
- Extra-thick formula helps fill small cracks and gaps
- No-runs, no-drips
- Strong initial tack
- Unaffected by finishes
- Excellent sandability
- Easy cleanup with water
- Nonflammable - no offensive odor
- For finish trim, crown moulding, baseboards and window casings



#### APPLICATION GUIDELINES

**Application temperature:** Above 50°F.

**Assembly time after glue application:** 3–5 minutes (70°F/50% RH)

**Total assembly time:** 10–15 minutes (70°F/50% RH)

**Minimum required spread:** Approximately 6 mils or 250 square feet per gallon

**Required clamping pressure:** Enough to bring joints tightly together (generally, 100-150 psi for softwoods, 125-175 psi for medium woods and 175-250 psi for hardwoods)

**Methods of application:** Plastic bottles for fine applications; glue may also be spread with a roller spreader or brush.

**Cleanup:** Damp cloth while glue is wet. Scrape off and sand dried excess.

#### BOND STRENGTH ASTM D-905 (On Hard Maple)

Temperature	Strength psi	% wood failure
Room Temperature	3,000	7
150°F Overnight	650	0

#### LIMITATIONS

Not intended for exterior use or where moisture is likely. For exterior applications, use Titebond III Ultimate Wood Glue or Titebond II Premium Wood Glue. Do not use when temperature, glue or materials are below 55°F. Freezing may not affect the function of the product but may cause it to thicken. Agitation should restore product to original form. Read MSDS before use.

NOTE: KEEP FROM FREEZING.

Size	Item No.
16 oz.	003.57.150

### Polyurethane Glue

- 100% waterproof (Passes ANSI Type I & II water-resistance testing)
- Bonds virtually everything
- Epoxy-like strength – no mixing
- Short 45 minute clamp time & fast cure
- Excellent sandability
- 100% solids
- Solvent free
- Ideal for metals, ceramics, most plastics, HPL, Corian, stone and other porous/non-porous materials



#### APPLICATION GUIDELINES

**Application temperature:** Above 50°F.

**Assembly time after glue application:** 20-25 minutes (70°F/50% RH)

**Minimum required spread:** Approximately 6 mils or 250 square feet per gallon

**Required clamping pressure:** Enough to bring joints tightly together (generally, 100-150 psi for softwoods, 125-175 psi for medium woods and 175-250 psi for hardwoods)

**Methods of application:** Easily spread with a roller, spreader or brush.

**Cleanup:** Mineral spirits while glue is wet. Scrape or sand off dried excess.

#### BOND STRENGTH ASTM D-905 (On Hard Maple)

Temperature	Strength psi	% wood failure
Room Temperature	3,500+	60
150°F Overnight	3,000+	50

#### LIMITATIONS

Not to be used for structural applications below the waterline. For ease of application, the glue, temperature and materials to be bonded should be above 50°F. Lower temperatures will cause the glue to thicken.

Size	Item No.
8 oz.	003.15.052



**Titebond®****Melamine Glue**

- Bonds melamine and vinyl coated products to porous materials
- Thicker formulation—fewer runs and drips
- Low odor—nonflammable
- Dries clear

**APPLICATION GUIDELINES**

**Application temperature:** Above 40°F.

**Open assembly time:** 5 minutes (70°F/50% RH)

**Total assembly time:** 10–15 minutes (70°F/50% RH)

**Minimum required spread:** Approximately 6 mils or 250 square feet per gallon

**Required clamping pressure:** Enough to bring joints tightly together (generally, 100-150 psi for softwoods, 125-175 psi for medium woods and 175-250 psi for hardwoods)

**Methods of application:** Easily spread with a roller spreader or brush, or may be transferred to plastic bottles for finer gluing applications.

**Cleanup:** Damp cloth while glue is wet. Scrape off and sand dried excess.

**BOND STRENGTH ASTM D-905 (On Hard Maple)**

Substrates	Strength psi	% wood failure
Melamine/Melamine Lap Shears	329	100
Melamine/Particle Board	339	100

**LIMITATIONS**

Not intended for exterior use or where moisture is likely. Not for structural or load bearing applications. Vacuum pressing should only be used for veneers up to 1/16" in thickness. Do not use when temperature, glue or materials are below 40°F. If product has been frozen (gel-like appearance), it cannot be used. Read MSDS before use.

NOTE: KEEP FROM FREEZING. **KEEP OUT OF THE REACH OF CHILDREN**

Size	Item No.
16 oz.	003.15.041
1 gallon	003.15.042
5 gallon	003.15.148

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## Titebond® HiPURformer Advanced Bonding System

- Interior/Exterior – Waterproof
- Versatile performance
- Greatly reduces the need for mechanical fasteners
- Solvent free and nonflammable
- UV indicator for easy cleanup
- Cordless, lightweight and easy to use



The HiPURformer Advanced Bonding System utilizes the patented, innovative hot melt adhesive applicator from German manufacturer Steinel. This high quality tool provides the perfect delivery system for HiPURformer adhesives.

### Bond Strength at Room Temperature

Time	Strength psi (WW30)	Strength psi (WW60)	Strength psi (MP75)
10 min	650	600	270
1 hr.	1,090	1130	600
24 hrs.	1,360	1480	900

### Important

To prolong the shelf life after initial use, extrude a one-inch bead of adhesive to purge any air from the cartridge tip, then immediately replace the cartridge cap tightly, while the adhesive is hot.

### Note

Not for use on copper or metal alloys containing a high percentage of copper. Not for continuous submersion.

### WARNING

**Toxic material. Eye and skin irritant. May cause skin and lung sensitization.**

### CAUTION

**Contact with heated product may cause thermal burns.**

**ALWAYS WEAR GLOVES.** Contains isocyanates. Avoid prolonged or repeated contact with skin or vapors. Do not swallow. May be harmful if swallowed. Avoid contact with eyes. **First Aid:** If swallowed, do not induce vomiting. Call physician immediately. If eye contact occurs, flush eyes with water for 15 minutes and call physician. In case of skin contact, wash skin with soap and water. Contact physician if irritation or sensitization occurs (difficult to remove cured product from skin). If inhaled, move to fresh air and contact physician. Refer to Material Safety Data Sheet for additional safety information.

**KEEP OUT OF THE REACH OF CHILDREN.**



**Working surfaces:** Surfaces must be dry and free from any dust, dirt or other material that may deter adhesion. Apply adhesive using the proper hot melt applicator tool. Join the surfaces to be bonded together, ensure proper alignment of pieces and hold firmly in place until the adhesive sets (approximately 30 seconds).

**Cleanup:** Allow any squeeze out to become firm and remove it with a putty knife or scraper. Sanding or cutting can remove fully cured material. Do not use heat or flame to remove adhesive.

## Applicator Gun

Item No.
003.15.071

### Supplied With

Base charger



WW30 WW60 MP75

## Polyurethane Hot Melt Adhesive

50 g./1.6 oz.	Set	Application Time	Item No.
WW30	30 sec.	wood	003.15.072
WW60	60 sec.	wood	003.15.073
MP75	75 sec.	multi-purpose	003.15.074

## Titebond®

### GREENchoice Heavy Duty Construction Adhesive

- Environmentally safe - VOC-compliant
- Bonds wood, paneling, drywall, plywood, metal, plastics, foamboard, tub surrounds & more
- Can be used on wet, frozen or treated lumber
- Interior/Exterior - Waterproof
- Offers freeze/thaw stability
- Cleans easily with water in wet state
- Cartridge and carton contain post-consumer recycled material



#### APPLICATION GUIDELINES

**Application temperature:** 40°F. to 100°F.

**Service temperature range:** 0°F. to 120°F.

**Working time:** Approximately 20 minutes for a 1/4" bead

**Working surfaces:** Surfaces must be clean and free of any material that may deter adhesion. Apply adhesive to only one of the surfaces to be bonded. NOTE: for subfloors, nail or screw each sheet as recommended by the American Plywood Association.

**Methods of application:** Cartridge/caulking gun.

**Cleanup:** Clean with water while adhesive is wet. Scrape off dried excess with a putty knife. Remove residue with mineral spirits or equivalent solvent. Follow solvent vendor's precautions when using solvents.

#### Note

Test solvent on an out-of-the-way area to make sure it will not mar or attack the surface.

#### LIMITATIONS

GREENchoice Heavy Duty is not designed for continuous submersion or for use on mirrors. When applying over paint, wallpaper, ceramic tile or other thin non-porous materials, sanding or scraping to penetrate that surface will allow drying and increase bond strength. This product cannot be used to bond one non-porous surface to another as it will prevent drying. GREENchoice Heavy Duty works well on most metals, however, for heavy metal or steel applications, we recommend GREENchoice Premium Polyurethane. For best results, store adhesive above 40°F.

Size	Item No.
10.5 oz. cartridge	003.50.195
29 oz. cartridge	003.50.196

### GREENchoice Premium Polyurethane Construction Adhesive

- Environmentally safe - VOC-compliant
- Advanced urethane formula
- Ideal for use on wet, frozen, treated and engineered lumber
- Unmatched strength and durability
- Can be used to bond non-porous materials
- Works in near freezing temperatures
- Safe for plastic or foam
- Fast initial grab - Smooth bead - Fast cure - Minimal shrinkage
- Cartridge and carton contain post-consumer recycled material



#### APPLICATION GUIDELINES

**Application temperature:** 32°F. to 120°F.

**Service temperature range:** -20°F. to 120°F.

**Working time:** Approximately 1 hour depending on humidity.

**Working surfaces:** Surfaces to be bonded should be clean and free from excessive oil, grease, water, dirt or any other material that may deter adhesion. Apply Titebond Premium Polyurethane Construction Adhesive to only one of the surfaces to be bonded. NOTE: When bonding subfloors with wet, frozen and treated lumber, nail or screw each sheet as recommended by the American Plywood Association.

**Methods of application:** Cartridge/caulking gun.

**Cleanup:** Clean with water while adhesive is wet. Scrape off dried excess with a putty knife. Remove residue with mineral spirits or equivalent solvent. Follow solvent vendor's precautions when using solvents.

#### Note

Test solvent on an out-of-the-way area to make sure it will not mar or attack the surface.

#### LIMITATIONS

GREENchoice Premium Polyurethane is not designed for continuous submersion. Adhesive can be difficult to remove from skin and clothing. It is recommended that gloves be worn. When using on non-porous substrates, mist with water to speed curing.

Size	Item No.
10.5 oz. cartridge	003.50.282
29 oz. cartridge	003.50.284

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## Titebond®

### Pro Heavy Duty Construction Adhesive

- Ideal for bonding wood, metal, brick, marble, ceramic tile, concrete, drywall and wet, frozen and treated lumber
- Designed for wet, frozen or treated lumber and ideal for metal, brick, concrete, ceramics and most large-panel substrates
- Reduces the amount of nailing and helps eliminate squeaky floors
- Excellent water-resistance and permanently flexible
- Exceeds the performance requirements of the American Plywood Association AFG-01
- Specification, ASTM D3498 and ASTM C557, HUD/FHA Use of Materials Bulletin #60



#### APPLICATION GUIDELINES

**Application temperature:** 0°F to 100°F

**Service temperatures:** -20°F to 120°F

**Methods of application:** Cartridge/caulking gun

**Coverage (maximum):** Approximate length of bead according to bead diameter:

Container	1/8" bead	1/4" bead	3/8" bead
10 oz. cartridge	123 ft.	30 ft.	13 ft.

**Working time:** Approx. 20-30 minutes for a 1/4" bead

**Working surfaces:** Surfaces to be bonded should be clean and free from excessive oil, grease, water, dirt or any other material that may deter adhesion. Apply Titebond Heavy Duty Construction Adhesive to only one of the surfaces to be bonded. NOTE: When bonding subfloors or wet, frozen and treated lumber, nail or screw as recommended by the American Plywood Association.

**Cleanup:** Tools/adhesive may be cleaned with acetone or mineral spirits. Follow solvent vendor's precautions when using solvents.

#### Note

Test solvent on an out-of-the-way area to make sure it will not mar or attack the surface.

#### LIMITATIONS

Not designed for continuous submersion or for use on polystyrene foam, vinyl-coated drywall or rigid plastics. For polystyrene foam, tub surrounds and most other plastics, we recommend Titebond Interior/Exterior Construction Adhesive.

Item No.
003.50.192

## Titebond®

### Weathermaster Sealant

- Solvent Free
- Permanently flexible and watertight seal
- Superior adhesion to most building materials
- Outperforms both silicone and urethane sealants
- UV-resistant – won't yellow or crack
- Mold and mildew resistant
- VOC-compliant
- Passes ASTM C920 Type S Grade NS Class 50
- Passes Federal Specification TT-S-00230C



#### APPLICATION GUIDELINES

**Application temperature:** Above 10°F

**Service temperatures:** -75°F to 250°F

**Methods of application:** Cartridge/caulking gun

**Coverage (maximum):** Approximate length of bead according to bead diameter:

Container	1/4" bead	3/8" bead	1/2" bead
10.1 oz. cartridge	32 ft.	13.5 ft.	7.5 ft.

**Working time:** Approx. 10-15 minutes for a 1/4" bead

**Working surfaces:** For best results, surfaces should be clean, dry and free from any material that may deter adhesion.

**Cleanup:** Clean tools and excess material with mineral spirits before it dries. Scrape dried excess.

#### LIMITATIONS

Extrudes slightly yellow and dries crystal clear. Air, caulk and surface temperature should be above 10°F. If desired, it may be painted with water-based paint immediately (wet-on-wet). For other types of paints, we recommend a compatibility test. If joint depth exceeds 1/4", use backing material. Not designed for continuous submersion or use below the waterline. Do not use for aquariums.

Item No.
003.50.200

Dimensional data not binding. We reserve the right to alter specifications without notice.



## Titebond®

### 100% Silicone Sealant

- Designed for interior and exterior applications
- Excellent adhesion to most building materials
- Provides a watertight, mildew-resistant seal
- Withstands extreme temperature changes when fully cured
- Extrudes easily in lower temperatures and dries quickly
- Maintains color with age – will not crack or become brittle
- Certified to Federal Specification TT-S-001543A Class A and TT-S-00230C
- Passes ASTM C920 Type S Grade NS Class 25
- Complies with FDA under 21 CFR 177.2600 for indirect food contact applications



#### APPLICATION GUIDELINES

**Application temperature:** 20°F to 95°F

**Service temperatures:** -60°F to 350°F

**Methods of application:** Cartridge/caulking gun

**Coverage (maximum):** Approximate length of bead according to bead diameter:

Container	1/4" bead	3/8" bead	1/2" bead
10.1 oz. cartridge	32 ft.	13.5 ft.	7.5 ft.

**Working time:** Approx. 15-20 minutes for a 1/4" bead

**Working surfaces:** Surfaces to be caulked should be clean, dry and free from excessive oil, grease, water, dirt or any other material that may deter adhesion.

**Cleanup:** Uncured material may be cleaned with mineral spirits or equivalent solvent. Follow solvent vendor's precautions when using solvents.

#### LIMITATIONS

Do not apply if rain is expected within 12 hours. 100% Silicone Sealant should not be painted. The paint film will not stretch with the expansion of the caulk and the paint may crack or peel. It is not designed for continuous submersion or use below the waterline.

Color	Item No.
white	003.51.001
clear	003.51.002
black	003.51.010

### Painters Plus Caulk

- For interior and exterior applications
- Seals joints, repairs cracks and fills gaps
- Paints & stains easily with one coat
- Provides a flexible, watertight seal
- Tools easily and cleans up with water
- No residual odor
- De-aired for a smoother bead
- Exceeds the performance requirements of ASTM C834



#### APPLICATION GUIDELINES

**Application temperature:** Above 40°F

**Service temperatures:** -20°F to 150°F

**Methods of application:** Cartridge/caulking gun

**Coverage (maximum):** Approximate length of bead according to bead diameter:

Container	1/4" bead	3/8" bead	1/2" bead
10.1 oz. cartridge	32 ft.	13.5 ft.	7.5 ft.

**Working time:** Approx. 10-15 minutes for a 1/4" bead

**Working surfaces:** Surfaces to be caulked should be clean, dry and free from excessive oil, grease, water, dirt or any other material that may deter adhesion.

**Cleanup:** Clean tools and excess material with water while wet. Scrape dried excess.

#### LIMITATIONS

Do not apply if rain is expected within 12 hours. Painters Plus should be dry to the touch and ready to paint in 2-4 hours. Not designed for continuous submersion or use below the waterline.

Color	Item No.
white	003.55.080
almond	003.55.081
clear	003.55.083
gray	003.55.084
black	003.55.086
antique white	003.55.087
brown	003.55.082
woodtone	003.55.085

## Titebond®

### Cold Press Veneer

- Economical alternative to contact cement
- Formulated to minimize "bleed-through"
- Moderate speed of set
- No harmful vapors
- Safe - nonflammable



#### APPLICATION GUIDELINES

**Application temperature:** Above 50°F.

**Open assembly time:** 15 minutes (70°F/50% RH)

**Total assembly time:** 15-20 minutes (70°F/50% RH)

**Minimum required spread:** Approximately 6 mils or 250 square feet per gallon

**Required pressure application:** 100-250 psi, depending on substrates

**Methods of application:** For most consistent coverage a mechanical spreader is recommended.

**Cleanup:** Damp cloth while glue is wet. Scrape off and sand dried excess.

#### LIMITATIONS

Titebond Cold Press for Veneer is specifically designed for veneering and is not suited for other types of assembly applications. Not recommended for exterior use or where moisture is likely. Do not use when temperature, glue or materials are below 50°F. Freezing may not affect the function of the product but may cause it to thicken. Agitation should restore product to original form. Read MSDS before using.

**NOTE:** STIR PRODUCT BEFORE USE TO ENSURE UNIFORMITY. KEEP FROM FREEZING.

Size	Item No.
1 gallon	003.15.101
5 gallons	003.15.102

### UA 920 Sealant

- Permanently flexible and airtight, water-resistant seal
- Excellent adhesion to most building materials
- Ideal for interior/exterior applications
- Soap and water cleanup
- Paintable with water-based(latex-based) paints
- VOC-compliant
- Mildew resistant
- UV-resistant
- Suitable for all climates
- No priming or mixing required
- 50% total joint movement
- 800% elongation



#### APPLICATION GUIDELINES

**Application temperature:** Above 40°F

**Service temperatures:** -40°F to 180°F

**Methods of application:** Cartridge/caulking gun

**Working time:** Approximately 15 minutes for a 1/4" bead

**Working surfaces:** For best results, surfaces must be cleaned down to the original substrate, dry and free from any material that may deter adhesion.

**Cleanup:** Clean tools and excess material with soap and water before it dries. Remove cured sealant by cutting with a sharp-edged tool.

#### Note

Test solvent on an out-of-the-way area to make sure it will not mar or attack the surface.

#### LIMITATIONS

Do not apply if rain is expected within 12 hours. Air, sealant and surface temperature should be above 40°F. Allow at least 2 hours of drying time before painting with acrylic or elastomeric coatings. If joint depth exceeds 1/4", use backing material. Not designed for continuous submersion or use below the waterline. Do not use for aquariums.

Size: 10.1 oz. cartridge

Color	Item No.
white	003.55.050
almond	003.55.051
bronze	003.55.052
clear	003.55.053

#### Note

Titebond UA 920 Clear (8741) will be white during application but will clear within 7-14 days, depending on temperature, humidity and bead size

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Dimensional data not binding. We reserve the right to alter specifications without notice.



## Titebond® Wood Filler

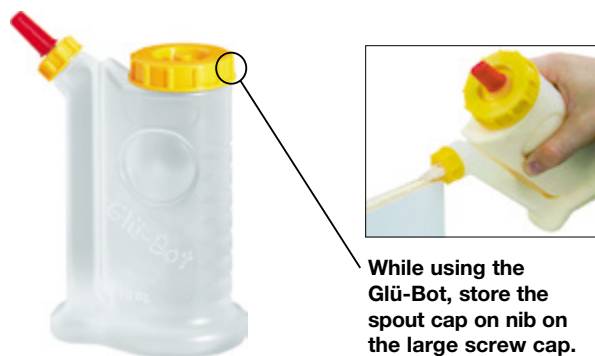
- Latex-based, no-shrink formula for quick, easy repairs of chips, holes and cracks in wood
- Excellent sandability and holding power
- Can be stained or painted
- Nonflammable formula cleans up with soap and water before drying

Size	Item No.
8 oz.	003.16.001
16 oz	003.16.002



## Empty Glue Bottle and Cap

Description	Item No.
empty glue bottle	003.48.000
cap with control tip	003.48.090



**While using the Glü-Bot, store the spout cap on nib on the large screw cap.**

## Glü-Bot

- Spill-proof nozzle
- Easy-squeeze bottle
- Vacuum valve keeps glue level high...even when you're getting low
- Puts the glue where you want it
- Essential for every craftsman

Size	Item No.
16 oz.	003.49.802



## Guide

- For a clean, straight line without going over the edge
- For 3/4" materials

Item No.
003.49.808

Packing: 5 pcs.



Blade



Yorker

## Blade and Yorker Tips

Description	Item No.
blade tips	003.49.806
yorker tips	003.49.805

Packing: 5 pcs.

## Lid and Retaining Ring

Size	Item No.
16 oz.	003.49.803

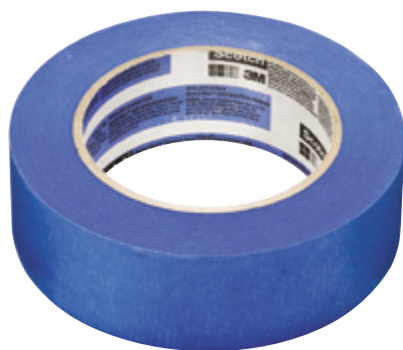
Packing: 5 pcs.

## Glü-Bot Red Caps

Size	Item No.
16 oz.	003.49.804

Packing: 5 pcs.

Dimensional data not binding. We reserve the right to alter specifications without notice.



### 3M ScotchBlue™ 2090 Painter's Tape

- For multi-surfaces
- Removes cleanly without adhesive transfer or surface damage for up to 14 days, even in direct sunlight
- Medium adhesion tape is ideal for painted walls and trim, woodwork, glass and metal

Color: blue

Size	Item No.
3/4" x 60 yds.	007.81.189
1" x 60 yds.	007.81.192
1 1/2" x 60 yds.	007.81.193
2" x 60 yds.	007.81.194



### General Purpose Masking Tape

- Designed for general use in packaging, bundling and labeling

Color: tan

Size	Item No.
3/4" x 60 yds.	007.81.199
1" x 60 yds.	007.81.195
1 1/2" x 60 yds.	007.81.196
2" x 60 yds.	007.81.197



### Fastwrap

- Hook and loop Velcro®
- Can be used multiple times

Material: Velcro®

Item No.
007.81.075

Dimensional data not binding. We reserve the right to alter specifications without notice.



## Speed Tape

- Heavy duty 2-sided tape
- Great for mounting/aligning drawer faces
- For veneers and laminates, peel off the liner and stick
- High quality adhesive

Material: Acrylic

Size	Item No.
1" x 50'	003.58.240
1 1/2" x 50'	003.58.243
2" x 50'	003.58.241
6 1/2" x 50'	003.58.242



## Stretch Wrap

- Gauge: 70
- 18" x 1500' roll

Description	Item No.
stretch wrap	007.81.044
dispenser	007.81.007



corrugated handle



plastic handle

## Stretch Wrap

- Gauge: 80

Description	Size	Item No.	Packing
with corrugated handle	5" x 1000'	007.81.045	1 roll
	3" x 1000'	007.81.047	
with plastic handle	5" x 1000'	007.81.046	12 rolls (includes 1 plastic handle)
	3" x 1000'	007.81.048	18 rolls (includes 1 plastic handle)

## Stretch Wrap – Heavy Duty

- Gauge: 120

Description	Size	Item No.	Packing
with corrugated handle	5" x 700'	007.81.250	1 roll
	3" x 700'	007.81.252	
with plastic handle	5" x 700'	007.81.251	12 rolls (includes 1 plastic handle)
	3" x 700'	007.81.253	18 rolls (includes 1 plastic handle)

Eye and Face Protection



Tornado Style, ANSI 287.1

- Unique dual lens styling in a single piece lens design
- Stylish, straight temples with adjustable arms
- 4 A coating for anti-static, anti-scratch, anti-fog, and anti-UV

Color: Frame: black; Lens: clear

Item No.
007.48.040

Packing: 10 pairs



Squire Style, ANSI 287.1

- Lightweight 100% nylon frame with one piece polycarbonate lens
- Integrated side shields, adjustable temple, anti-scratch, anti-fog, and anti-UV

Color: Frame: black; Lens: clear

Item No.
007.48.050

Packing: 12 pairs



Norton 180 ANSI 287.1

- Wrap around styling with vented sides and comfort bridge

Color: Frame: black; Lens: clear

Item No.
007.48.060

Packing: 10 pairs

Dimensional data not binding. We reserve the right to alter specifications without notice.



## Eye and Face Protection



### Safety Mags with Bifocal

- Ultra comfortable
- Adjustable arms: Length + 3/8"; Lateral +/- 30°
- Shatterproof wrap-around lenses
- Anti-fog coating
- Reinforced temples
- Quality construction

Color: Frame: black; Lens: clear

Diopter strength	Item No.
1.5	007.48.035
2.0	007.48.036
2.5	007.48.037



### Safety Glasses

- Ultra comfortable
- Adjustable arm length
- Shatterproof wrap-around lenses
- Anti-fog coating
- Reinforced temples
- Quality construction

Color: Frame: black

Lens	Item No.
clear	007.48.031
tinted	007.48.032
amber	007.48.033

Respiratory Protection



Respirator, Half Mask

- General purpose, requires cartridge (sold separately)

Size	Item No.
M	007.48.701
L	007.48.702

Cartridges

- For Respirator, Half Mask

Type 1

- For chlorine, hydrogen chloride, sulfur dioxide, hydrogen fluoride and chlorine dioxide

Type 2

- For organic vapor chlorine, hydrogen chloride, sulfur dioxide, hydrogen fluoride chlorine dioxide

Version	Item No.
type 1	007.48.711
type 2	007.48.710

Pancake Filter

- P100 Filter, General Purpose

Item No.
007.48.530

Adapter

- For above filter
- For use with 007.48.701 and 702

Item No.
007.48.540

Respirator Mask, Disposable

- General purpose, for solid and non-oil based particulates.
- 42 CFR approved, N95 class

Item No.
007.48.730

Supplied With  
20 pcs.

Dimensional data not binding. We reserve the right to alter specifications without notice.

## Hand Protection

We offer a wide selection of disposable gloves that are economical and convenient to use when working with finishes, epoxies, and various chemical products. No one type of glove will protect against all types of chemicals, nor will it resist all chemicals indefinitely. Always check the product label for the recommended glove type. If gloves show any signs of leaking, swelling, wrinkling or color change, replace them immediately.



### Gloves, Thick Nitrile

- Resists cuts, snags, and abrasion
- An excellent barrier to alcohols, ammonia, bleach, gasoline, kerosene, mineral spirits, naphtha, paint thinners, Stoddard solvent and turpentine
- Satisfactory resistance to toluene and xylene

Thickness	Size	Item No.
10 mil.	9	007.64.002
10 mil.	10	007.64.003
10 mil.	11	007.64.004
17 mil.	10	007.64.033

Packing: 12 pairs

### Gloves, Grip N® Glove

- PVC coated "N-Tread" provides outstanding flexibility, dexterity, grip and abrasion resistance
- Reversible design can be worn on either hand providing four working surfaces

Size	Item No.
men's	007.64.550
women's	007.64.551

Packing: 12 pairs

### Gloves, Thin Nitrile, Disposable

- Developed for assembly work in the electronics industry
- Latex free
- Provides three times the puncture resistance of similar latex and vinyl gloves and increased dexterity and flexibility
- Contain no protein allergens
- Provides the same protection as latex and vinyl gloves
- Not recommended for use with aniline dyes, ketones or Citristrip®
- They provide the best protection for use with polyurethanes
- 3.7 mil thickness

Material: 100% Synthetic Nitrile

Size	Item No.
S	007.64.011
M	007.64.012
L	007.64.013
XL	007.64.014

Packing: 1 pkg. (100 pcs.)

- 8 mil thickness
- Powder-free

Size	Item No.
M	007.64.016
L	007.64.015
XL	007.64.017
2XL	007.64.018

Packing: 1 pkg. (50 pcs.)

### Gloves, PVC Coated Treaded

- Provides outstanding flexibility, dexterity, grip and abrasion resistance

Material: Cotton

Size	Item No.
L	007.51.202

Packing: 12 pairs

Dimensional data not binding. We reserve the right to alter specifications without notice.

## First Aid Kit, Hearing and Respiratory Protection



### First Aid Kit, #25

- ANSI Z308.1 – 1998 compliant
- With carrying handle and mounting bracket
- Ideal for indoor settings requiring a variety of first aid items
- Supplies for 25 people

Item No.
007.50.142



**NRP 29 DB**



**NRP 33 DB**  
spark plug style

### Ear Plugs

- Disposable

Material: PVC soft foam

	Item No.	Packing
uncorded NRP 29 DB	007.49.070	200 pairs
uncorded NRP 33 DB	007.49.071	200 pairs
corded NRP 33 DB	007.49.072	100 pairs



### Pocket Dust Mask

- Soft, comfortable material
- Fully adjustable nose piece
- Easy breathe valve
- Fits in your pocket
- NA5-NIOSH rated

Item No.
007.48.311



### Dust Mask

- Easy breathe exhale valve
- High quality construction
- Fully adjustable fit

Item No.
007.48.312



### Drawer Guide Locating Tool

- For locating pilot holes for all brands of drawer guides, European and American
- Light-weight aluminum to a  $\pm .005$ " tolerance, insuring proper guide positioning
- Positions guides for overlay and inset conditions
- Install 1 to 4 guides in a single operation
- Use #5 vix bit to drill pilot holes for wood screws, or #14 vix bit for varianta screws
- 28 3/4" length designed to clear existing counter tops

Material: Aluminum, Polycarbonate, Steel

Description	Item No.
Locating Tool	001.34.200
Bit #5 (7/64")	001.42.030
Bit #14 (13/64")	001.42.020

#### Note

Requires Euro Bit self-centering tool for use (sold separately)



### Euro Bit Self-Centering Tool

- Engineered to use different sizes of carbide boring bits
- 5 mm bit for shelf pins and attaching hardware with 32 mm attachment screws
- 1/4" bit for 1/4" shelf pins
- 7/64" adapter for #6 wood screws for hardware attachment
- Requires a boring bit with a 10 mm (40 mm) long shank or an adapter for a 7/64" twist drill bit



### Euro Jig Concealed Hinge Installation Tool

- Works for overlay and inset positioning
- Installs any brand of 35 mm hinge plates for doors up to 50" tall

Material: Aluminum, Polycarbonate, Steel

Item No.
001.34.210

#### Note

Requires Euro Bit self-centering tool for use (sold separately)



### 32 mm Adjustable Line Boring Jig

- Made of high impact plastic for long life
- Aluminum bushing inserts for sturdy and straight drilling
- Drill guide fits exactly in insert without allowing drill bit to touch jig
- Provides a self-centering bore
- Improved design prevents clogging by wood chips
- Bits are interchangeable, only one guide necessary

Material: Plastic, Aluminum

Item No.
001.27.007

#### Note

Requires Euro Bit self-centering tool for use (sold separately)

### Drill Guide

Material: Steel

Item No.
001.28.600

### Euro Drill Bits

Material: Carbide RH

Size	Item No.
5 mm	001.24.700
1/4"	001.24.710

#### Note

Drill is not included

### Adapter

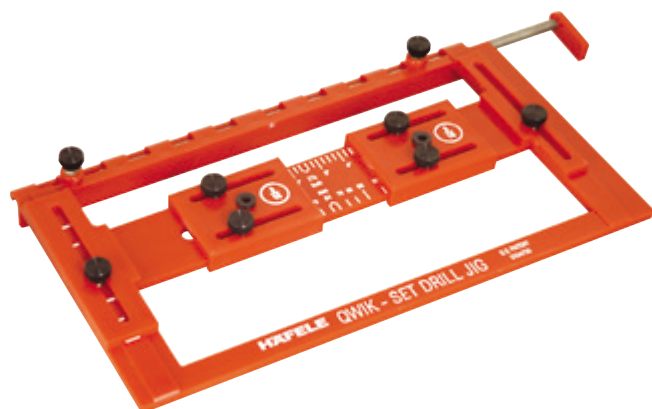
- For 7/64" drill bit

Material: Aluminum

Item No.
001.28.602

Packing: 10 pcs.

### Drilling Jigs for Handles

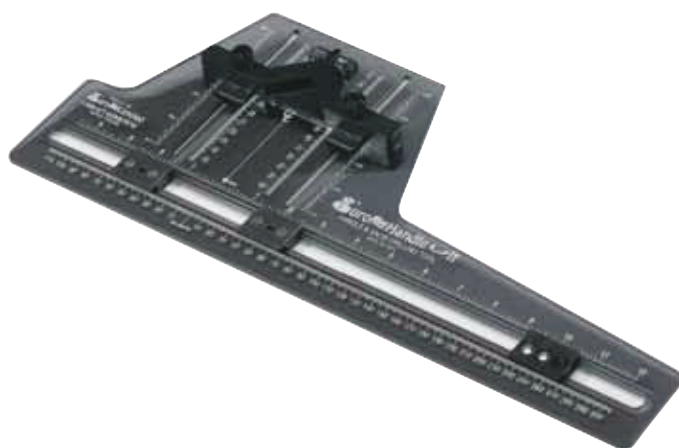
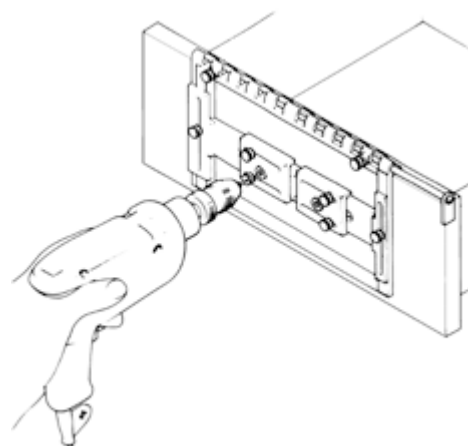
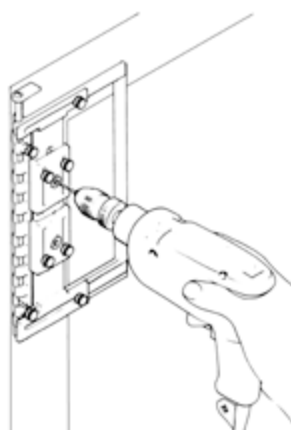


#### Quick-Set Drilling Jig for Handles

- For precise drilling and positioning of handles on doors, flaps and drawer fronts
- Convertible side stop, can be used horizontally and vertically
- Drilling bushings: for drilling Ø4.3–4.6 mm (11/64"–3/16")
- Drill hole spacing: adjustable from 64–143 mm (2 1/2"–5 5/8")
- Distance from edge: adjustable from 26–103 mm (1 1/16"–4 1/16")

Material: Plastic with hardened drilling bushings

Color	Item No.
red	001.31.233

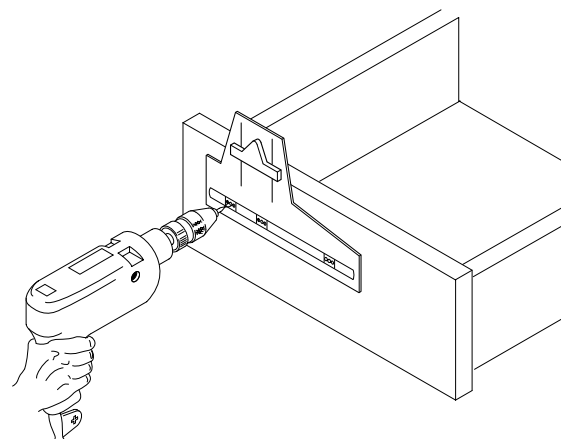


#### Quick-Set Drilling Jig for Pulls

- For pulls on doors or drawer fronts
- Ideal for small to medium size shops
- With metric and inch scale
- Use a 4.5 mm or 3/16" drill

Material: Plastic

Color	Item No.
black	001.35.001



Dimensions in mm  
Inches are approximate



## Futura 250

- Vertical drilling and insertion of hinges and connectors, vertical line boring
- Power rating: 1.5 horsepower
- Required air pressure: 90 psi

Motor	Amps	Hinges	Rafix
1 - phase 220V/60Hz	10	001.89.501	001.89.506
1 - phase 110V/60Hz	20	001.89.500	001.89.505
3 - phase 220V/60Hz	10	001.89.503	001.89.508

### Supplied With

Pneumatic drilling unit with push button control  
 Ruler 600 mm (23 5/8")  
 2 Tilt stops with clamp lever  
 Worktop 600 x 400 mm (23 5/8" x 15 3/4")  
 1 Pair of pneumatic hold-down clamps  
 Locking pin for fence depth adjustment with positive stops  
 Rafix - 9.5 mm  
 Hinges - 22.5 mm  
 Line-boring - 37 mm  
 Hinge Box with Hinge drilling machine  
 Rafix Gear Box with Rafix drilling machine  
 Accessories – Order separately

## Drill Bits

Material: Carbide



Description	Item No.
5 x 57 RH	001.06.868
5 x 57 LH	001.06.869
8 x 57 LH	001.06.870
8 x 70 RH	001.08.022
8 x 70 LH	001.08.023
18 x 57 RH	001.06.365
20 x 57 RH	001.08.002
35 x 57	001.08.013
40 x 57	001.06.865
20 x 70 RH for flush Rafix	001.24.340
20 x 70 LH for flush Rafix	001.24.341
20 x 47 RH for flush Rafix	001.24.342



## Accessories – Order separately

Description	Item No.
7 spindle line boring head	001.89.520
hinge gear box	001.89.510
rafix gear box	001.89.515
insertion die for Rafix	001.89.540
insertion die for A-series 110° hinges	001.89.530
insertion die for Aximat	001.89.531
additional tilt stop	001.89.550
extension ruler 1219 (48") - 2 pc. set	001.89.560





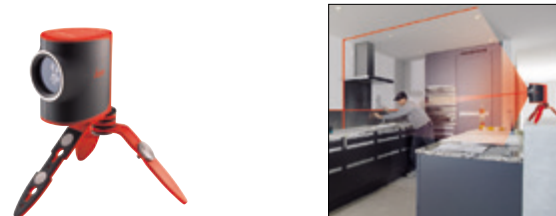
## The 3rd Hand Support System

### Uses:

- Cabinet installation
- Crown moulding at angles
- Countertop backsplashes
- Hanging dry wall
- Supporting ceiling panels
- Provides support, bracing or clamping features for difficult jobs
- For weights up to 32 kg (70 lbs.)

Material: Steel

Description	Item No.
little hand 16.5" to 22.8"	003.71.580
3rd hand 5' to 12'	003.71.581



## Laser Line Level Device – L2

- Levelling accuracy:  $\pm 1$  mm @ 5 m (0.03937" @ 16' 4 7/8")
- Range: Up to 15 m (49' 2 9/16") depending on light conditions

Material: Steel

Item No.
002.84.526

### Supplied With

Storage case  
Target plate  
Magnetic multifunctional adapter  
Ball adapter



## The 3rd Hand Contractor Pack

- Convenient set is an economic alternative to purchasing items individually

Item No.
003.71.582

### Supplied With

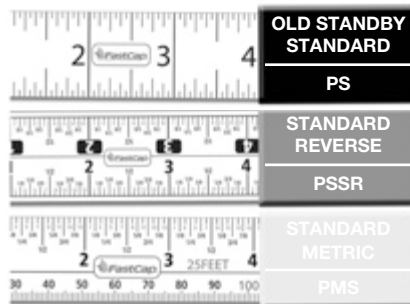
4 3rd hands  
8 Articulating feet  
4 Magnetic dust feet  
4 Universal feet  
Ballistic nylon bag



### Leica Laser – E7400X

- A compact, handy, introductory distance measuring tool, specifically designed for indoor applications
- Includes shortcut keys for addition, subtraction, area and volume calculations
- Measuring Range: 0.05 to 60 m (2"-196.85')
- Accuracy:  $\pm 1.5$  mm (0.059")
- Manufactured in Europe and designed for the professional
- Flipout endpiece allows measuring from edges or corners
- Stake out function
- Time delay release
- IP54
- Simple Pythagorean functions

Item No.
002.84.597



### Tape Measure

- Erasable notepad
- Pencil sharpener
- Dual locking system
- Heavy-duty belt clip
- High contrast tape
- Compact casing

Description	Item No.
PMS-metric/standard 12' (3.5 m)	002.81.604
PMS-metric/standard 16' (5 m)	002.81.602
PMS-metric/standard 25' (7.5 m)	002.81.603
PSSR-standard reverse 16' (5 m)	002.81.612
PSSR-standard reverse 25' (7.5 m)	002.81.613
PS-standard 16' (5 m)	002.81.620



### Flatback Tape Measure

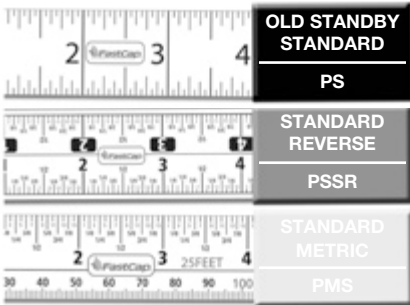
- Measures curves and flat panels with precision and ease

Description	Item No.
metric/standard 16' (5 m)	002.81.641

### Tape Measure

- 5 m / 16 ft.
- Erasable note pad
- Compact shock-resistant rubber casing
- Dual thumb and finger locks
- Easy belt clip
- Built-in stainless steel pencil sharpener
- High-contrast black on white scale
- Heavy-duty 1" blade with 4 rivet construction

Item No.
002.81.643



OLD STANDBY  
STANDARD

PS

STANDARD  
REVERSE

PSSR

STANDARD  
METRIC

PMS



STANDARD  
METRIC

16'



Tape Measure

- Erasable notepad
- Pencil sharpener
- Dual locking system
- Heavy-duty belt clip
- High contrast tape
- Compact casing

Description	Item No.
PMS–metric/standard 12' (3.5 m)	002.81.604
PMS–metric/standard 16' (5 m)	002.81.602
PMS–metric/standard 25' (7.5 m)	002.81.603
PSSR–standard reverse 16' (5 m)	002.81.612
PSSR–standard reverse 25' (7.5 m)	002.81.613
PS–standard 16' (5 m)	002.81.620

Flatback Tape Measure

- Measures curves and flat panels with precision and ease

Description	Item No.
metric/standard 16' (5 m)	002.81.641

Tape Measure

- 5 m / 16 ft.
- Erasable note pad
- Compact shock-resistant rubber casing
- Dual thumb and finger locks
- Easy belt clip
- Built-in stainless steel pencil sharpener
- High-contrast black on white scale
- Heavy-duty 1" blade with 4 rivet construction

	Item No.
	002.81.643

Dimensional data not binding. We reserve the right to alter specifications without notice.



## Standard Phillips Drive

- With 1/4" Hexagonal Shaft

Material: Steel

Length	Size	Item No.
1"	#1	006.40.270
1"	#2	006.40.280
1"	#3	006.40.290
2"	#2	006.40.281
2"	#3	006.40.291

Packing: 10 pcs.



## Standard Pozi Drive

- With 1/4" Hexagonal Shaft
- Length: 1"

Material: Steel

Size	Item No.
#1	006.37.301
#2	006.37.310
#3	006.37.329

Packing: 10 pcs.



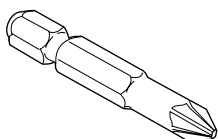
## Standard Square Drive

- With 1/4" Hexagonal Shaft

Material: Steel

Length	Size	Item No.
1"	#1	006.37.874
1"	#2	006.37.883
2"	#1	006.37.810
2"	#2	006.37.829
6"	#2	006.37.828

Packing: 10 pcs.



## Screwdriver Bit

- With cross-slot Z
- Length: 2"

Material: hardened tool Steel

Size	Item No.
#1	006.37.276
#2	006.37.285
#3	006.37.294

Packing: 25 pcs.



## Premium Phillips Drive

- Bi-torsion feature reduces screw head breakage and increases the lifespan of the driver bit
  - Diamond coated feature reduces cam-out (stripping) and increases the lifespan of the driver bit
- Length: 1"

Material: Steel

Size	Item No.
#1	006.40.041
#2	006.40.051
#3	006.40.052

Packing: 10 pcs.



Material: Steel

Length: 2"

Size	Item No.
#1	006.40.053
#2	006.40.054
#3	006.40.055

Packing: 10 pcs.



## Premium Square Drive

- Bi-torsion feature reduces screw head breakage and increases the lifespan of the driver bit
  - Square-plus feature reduces cam-out (stripping) and increases the lifespan of the driver bit
- Length: 1"

Material: Steel

Size	Item No.
#1	006.37.390
#2	006.37.391
#3	006.37.392

Packing: 10 pcs.



Material: Steel

Length	Size	Item No.
2"	#1	006.37.401
2"	#2	006.37.402
6"	#2	006.37.560
2"	#3	006.37.403

Packing: 10 pcs.



## Standard Phillips Drive

- With 1/4" Hexagonal Shaft

Material: Steel

Length	Size	Item No.
1"	#1	006.40.270
1"	#2	006.40.280
1"	#3	006.40.290
2"	#1	006.40.271
2"	#2	006.40.281
2"	#3	006.40.291

Packing: 10 pcs.



## Standard Pozi Drive

- With 1/4" Hexagonal Shaft
- Length: 1"

Material: Steel

Size	Item No.
#1	006.37.301
#2	006.37.310
#3	006.37.329

Packing: 10 pcs.



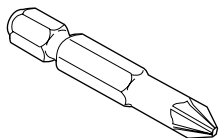
## Standard Square Drive

- With 1/4" Hexagonal Shaft

Material: Steel

Length	Size	Item No.
1"	#1	006.37.874
1"	#2	006.37.883
1"	#3	006.37.892
2"	#1	006.37.810
2"	#2	006.37.829
2"	#3	006.37.838
6"	#2	006.37.828

Packing: 10 pcs.



## Screwdriver Bit

- With cross-slot Z
- Length: 2"

Material: hardened tool Steel

Size	Item No.
#1	006.37.276
#2	006.37.285
#3	006.37.294

Packing: 25 pcs.



## Premium Phillips Drive

- Bi-torsion feature reduces screw head breakage and increases the lifespan of the driver bit
  - Diamond coated feature reduces cam-out (stripping) and increases the lifespan of the driver bit
- Length: 1"

Material: Steel

Size	Item No.
#1	006.40.041
#2	006.40.051
#3	006.40.052

Packing: 10 pcs.



Material: Steel

Length: 2"

Size	Item No.
#1	006.40.053
#2	006.40.054
#3	006.40.055

Packing: 10 pcs.



## Premium Square Drive

- Bi-torsion feature reduces screw head breakage and increases the lifespan of the driver bit
  - Square-plus feature reduces cam-out (stripping) and increases the lifespan of the driver bit
- Length: 1"

Material: Steel

Size	Item No.
#1	006.37.390
#2	006.37.391
#3	006.37.392

Packing: 10 pcs.



Material: Steel

Length	Size	Item No.
2"	#1	006.37.401
2"	#2	006.37.402
6"	#2	006.37.560
2"	#3	006.37.403

Packing: 10 pcs.



## Magnetizer/Demagnetizer

- Rub driver on face side and magnetize the tool
- Rub driver on edge and demagnetize the tool

Item No.
006.30.215

## Premium Bit-Holders

- Holds both 1" and 2" style bits
- Strong permanent magnet with quick-release chuck



### Universal Bit Holder – 2"

Item No.
006.40.319



### Universal Bit Holder with Ring Magnet – 2"

- Ring magnet securely holds screws on driver bit

Item No.
006.40.318

## Premium Bit-Holding Screwdrivers



- 1/4" hex drive magnetic socket
- Shank length: 9.5 mm (3/8")
- Handle length: 54 mm (2 1/8")

Item No.
006.40.321



- Kraftform ergonomic handle
- Hexagon blade
- 1/4" hex drive magnetic socket
- Handle length: 112 mm (4 7/16")
- Blade length: 120 mm (4 3/4")

Item No.
006.40.326

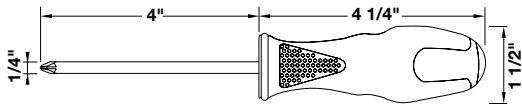


- Kraftform ergonomic handle
- Pistol handle for comfort and high torque
- Gearless ratchet has a minimal return angle for faster operation
- Slide switch allows for easy one-hand operation
- Handle: 140 x 100 mm (5 1/2" x 3 15/16")

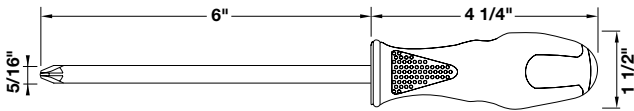
Item No.
006.40.365



#2



#3



Screwdrivers

- Comfort-Grip ergonomic handle
- Tip is hardened and magnetized
- Pozi drive works best for hinge adjustments and connector installation

Material: Shaft: Steel; Finish: Chrome-plated  
Hand grip: Plastic; Color: black and red

Size	Item No.
pozi #2	006.28.292
pozi #3	006.28.293
phillips drive #2	006.28.282
square drive #2	006.28.272



Metric Folding Wrench Set

- Ergonomic handle
- Push button key release
- Sizes: 2, 2.5, 3, 4, 5, 6 and 8 mm

Item No.
006.28.410

Premium Bit Sets

- Compact fold-out organizer case
- Includes magnetic bit holder



Item No.
006.37.085

Supplied With

Small and Large flat head  
#1 and #2 Phillips drive  
#1 and #2 Pozi drive



Item No.
006.37.086

Supplied With

Small and Large flat head  
#1 and #2 Phillips drive  
#1 and #2 Square drive

Dimensional data not binding. We reserve the right to alter specifications without notice.





## Forstner Style Drill Bit

Material: Carbide

Description	Item No.
Carbide 12 (15/32")	001.24.489
Carbide 15 (19/32")	001.24.443
Carbide 16.5 (21/32")	001.24.194
Carbide 18 (45/64")	001.06.365
Carbide 20 (25/32")	001.24.425
Carbide 26 (1 1/32")	001.08.004
Carbide 28 (1 7/64")	001.08.012
Carbide 35 (1 3/8")	001.08.013
Carbide 40 (1 37/64")	001.06.865
Carbide 55 (2 11/64")	001.07.513
Carbide 58 (2 9/32")	001.07.522
Carbide 60 (2 23/64")	001.08.040
Carbide 68 (2 43/64")	001.08.016
Carbide 80 (3 5/32")	001.08.050



## Step Bits

- For Confirmat installation

Material: HSS

Description	Item No.
148.5L 4.0/5.0/8.0/10.0	001.22.663
150L 5.0/7.0/10.0	001.22.645



## Vix Bit

- Self centering drill
- Adjustable for depth

Material: Steel

Description	Item No.
For #5 and #6 screws 7/64" bit	001.42.030
For #7 and #8 screws 13/64" bit	001.42.020



## Premium 8 Piece

### Brad Point Drill Bit Set

- Sizes; 3, 4, 5, 6, 7, 8, 9 and 10 mm
- Precision German-made

Material: Steel

Description	Item No.
	001.20.279



## Hinge Machine Drill Bits

Material: Steel

Description	Item No.
Kit	001.06.871
35 x 57 (1 3/8" x 2 1/4")	001.08.013
8 x 57 (5/16" x 2 1/4")	001.06.870

### Kit Supplied With

Carbide bit - 35 x 57 mm

Carbide LH bits - 8 x 57 mm



## HSS Twist Drill Bit

Material: HSS

Length	Item No.
5 (13/64")	001.41.168
7 (9/32")	001.41.220
8 (5/16")	001.41.248
10 (25/64")	001.41.293



## Brad Point Twist Drill Bit

Description	Item No.
Carbide 5 (13/64")	001.20.098
HSS 7.5 (19/64")	001.20.061
HHS 8 (5/16")	001.20.123
HSS 10 (25/64")	001.20.141
HSS 12 (15/32")	001.20.169
HSS 15 (19/32")	001.06.034
HSS 20 (25/32")	001.06.061



## Brad Point Drill Bit

- 1/4" hex shank

Description	Item No.
3 (1/8")	001.20.503
4 (5/32")	001.20.504
5 (3/16")	001.20.505
6 (1/4")	001.20.506
8 (5/16")	001.20.508
9 (23/64")	001.20.509
12 (15/32")	001.20.512
13 (33/64")	001.20.513
14 (35/64")	001.20.514



## Auger Bit

Length: 16"

Ø	Item No.
10 (25/64")	001.71.040
12 (15/32")	001.71.041



### Calculator-Measure Master Pro 4020

- Work in and convert between any building dimensions, including metric
- Linear, area and volume measurements
- Find weight and weight per volume
- Instant solutions for circle area, circumference, arcs & more

Material: Plastic

Item No.
002.80.211



### SpeedClip

- Easily clips over your pants or belt
- Can hold and sharpen your pencil

Material: Plastic

Item No.
007.46.929



### ProHold

- 9 neodymium, high performance magnets for extra strong hold, heavy duty velcro strap
- Fits on wrist or drill

Material: Nylon, Rubber

Item No.
007.46.935



### AccuScriberPro

- Non-rocking flat bottom, built in pencil sharpener

Material: Plastic

Item No.
002.81.850

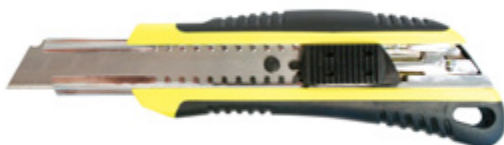


### Parallel Scriber

- Wide flat blade
- Easy adjustable thumb wheel

Material: Plastic

Item No.
002.81.846



### Electric Trim Ring

- Add a finishing touch to your installation work
- Designed for single or double outlets

Description	Color	Item No.
single	white	827.57.700
double		827.57.710
single	hard rock maple	827.57.100
double		827.57.110
single	black	827.57.300
double		827.57.310
single	almond	827.57.400
double		827.57.410

### Tri-Blade Utility Knife

- Comfortable rubber grip
- Store 2 extra blades in knife
- Retractable, self-locking blade

Material: Housing: Plastic; Blades: Steel; Hand grip: Rubber

Item No.
000.33.130

### Replacement Blades

- For Tri-blade knife above

Item No.
000.33.131

**Supplied with**  
10 blades

### Flush Cut Trimmers, Single

- Flush cuts edgebanding and brad nails
- Easy to sharpen

Material: Steel

Item No.
single
006.13.470
micro
006.13.471
heavy duty
006.13.472

### Note

Not recommended for 3 mm or thicker edgebanding

### Power Shears

- Small and compact
- Razor sharp to cut through the toughest material

Material: Steel

Item No.
006.17.010

### FastBreak

- Great for any width
- Sand two edges at once
- Storage for extra sandpaper

Material: Plastic; Color: red

Item No.
small
005.51.930
large
005.51.935

Dimensions in mm  
Inches are approximate

FC 12.47

12



Softwax Kit

- For touch-ups and repairs

Item No.
007.30.300

Refill Stick

Color Code	Item No.
01 white	007.30.301
02 off-white	007.30.302

**Note**  
Other colors available upon request

Wax Wedge Refill

Item No.
007.30.328

Buffing Pad Refill

Item No.
007.30.329



## Wiping Cloths

- Prewashed
- Space-saving box design
- Easy to dispense
- For painting, staining, polishing, dusting & cleaning

Material: Recycled Cotton/Polyester mix

Size	Item No.
5 lbs.	008.54.590
25 lbs.	008.54.595



## Premium Wiping Cloths

- Bleached and Prewashed
- Precut 18"x18" – no seams
- Ideal for staining & finishing

Material: 100% Cotton, white

Size	Item No.
4 lbs.	008.54.597



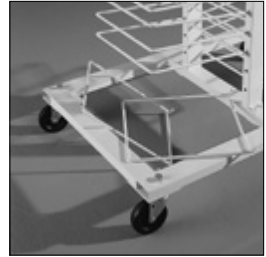
## Kaizen Foam

- Separates between the layers creating a perfect fit for all your tools in drawers and on walls
- Sheetsize: 2' x 4'

Color: black/white

Size	Item No.
2' x 4' x 7/8"	007.80.110
2' x 4' x 1 1/8"	007.80.111
2' x 4' x 2 1/4"	007.80.112





## HR2 Heavy Duty Panel Rack

- Easy loading and unloading
  - Rolls easily on 6" wheels
  - Ready to assemble with just a wrench and hex key
  - Shipped flat in cartons
  - With extended shelves 12 1/2"x18 1/2"
  - 50 removable shelves (25 per side)
  - Each shelf holds up to 25 lbs.
- Space between shelves: 2 1/2"  
Shelf angle: 5°  
Base size: 23"x39"  
Height: 71"  
Weight capacity: 1250 lbs.

Material: Steel

Color	Item No.
white	007.91.141



## Handle on Demand

- Helps to carry objects that are difficult to hold
  - Grips on multiple surfaces: countertops, metal, glass, and wood
- Weight capacity: 200 lbs.

Material: Plastic, Rubber

	Color	Item No.
Double	red	008.54.471
Single	blue	008.54.470





### Lateral Parts Cart

- A heavy duty, cut-lumber delivery system
  - Carries uncut panels or can be configured with as many as 12 bins
  - Allows workers to sort parts for easy identification and accessibility
  - The end divider can be installed parallel or perpendicular with the cart for greater flexibility
  - With the uprights removed, the cart can be used as a lumber cart
  - Narrow width is perfect for congested aisles
- W x H x L: 22" x 59" x 60"  
Weight capacity: 2000 lbs.

Material: Steel

Color	Item No.
red	007.91.180



### Protective End Caps

- Protects parts from damage
- Non-marring vinyl material

Material: Vinyl

Color	Item No.
black	007.91.189

Packing: 10 pcs.



### Premium Multi-flex Shelf Rack

- Shelves rotate to accommodate large and small panels
- W x H x L: Folded: 31"x76"x12"  
Extended: 55"x76"x48"  
Distance between arms: 2.75"

Material: Steel, epoxy-coated

Color	Item No.
red	007.91.078

Dimensional data not binding. We reserve the right to alter specifications without notice.

Item No.	Page No.	Item No.	Page No.	Item No.	Page No.	Item No.	Page No.
000.33.130	12.47	002.81.603	12.38	005.32.034	12.12	005.32.184	12.9
000.33.131	12.47	002.81.604	12.38	005.32.035	12.12	005.32.185	12.9
001.06.034	12.45	002.81.612	12.38	005.32.036	12.12	005.32.192	12.10
001.06.061	12.45	002.81.613	12.38	005.32.037	12.12	005.32.193	12.10
001.06.365	12.36	002.81.620	12.38	005.32.041	12.12	005.32.194	12.10
001.06.365	12.44	002.81.641	12.38	005.32.042	12.12	005.32.195	12.10
001.06.865	12.36	002.81.643	12.38	005.32.043	12.12	005.32.196	12.10
001.06.865	12.44	002.81.846	12.46	005.32.044	12.12	005.32.197	12.10
001.06.868	12.36	002.81.850	12.46	005.32.045	12.12	005.32.270	12.5
001.06.869	12.36	002.84.526	12.37	005.32.046	12.12	005.32.271	12.5
001.06.870	12.36	002.84.597	12.38	005.32.047	12.12	005.32.272	12.5
001.06.870	12.45	003.15.001	12.17	005.32.061	12.11	005.32.273	12.5
001.06.871	12.45	003.15.002	12.17	005.32.062	12.11	005.32.274	12.5
001.07.513	12.44	003.15.011	12.17	005.32.063	12.11	005.32.275	12.5
001.07.522	12.44	003.15.012	12.17	005.32.064	12.11	005.32.276	12.5
001.08.002	12.36	003.15.013	12.20	005.32.065	12.11	005.32.277	12.5
001.08.004	12.44	003.15.014	12.20	005.32.066	12.11	005.32.280	12.10
001.08.012	12.44	003.15.021	12.18	005.32.071	12.11	005.32.281	12.10
001.08.013	12.36	003.15.031	12.19	005.32.072	12.11	005.32.282	12.10
001.08.013	12.44, 12.45	003.15.041	12.22	005.32.073	12.11	005.32.283	12.10
001.08.016	12.44	003.15.042	12.22	005.32.074	12.11	005.32.284	12.10
001.08.022	12.36	003.15.052	12.22	005.32.075	12.11	005.32.290	12.10
001.08.023	12.36	003.15.061	12.19	005.32.076	12.11	005.32.291	12.10
001.08.040	12.44	003.15.062	12.19	005.32.081	12.4	005.32.292	12.10
001.08.050	12.44	003.15.071	12.23	005.32.082	12.4	005.32.293	12.10
001.20.061	12.45	003.15.072	12.23	005.32.083	12.4	005.32.294	12.10
001.20.098	12.45	003.15.073	12.23	005.32.084	12.4	005.32.295	12.10
001.20.123	12.45	003.15.074	12.23	005.32.085	12.4	005.32.310	12.9
001.20.141	12.45	003.15.081	12.20	005.32.086	12.4	005.32.311	12.9
001.20.169	12.45	003.15.082	12.20	005.32.087	12.4	005.32.312	12.9
001.20.279	12.44	003.15.092	12.18	005.32.088	12.4	005.32.313	12.9
001.20.508	12.45	003.16.001	12.26	005.32.089	12.4	005.32.314	12.9
001.20.509	12.45	003.16.002	12.26	005.32.091	12.5	005.32.315	12.9
001.20.512	12.45	003.48.000	12.17	005.32.092	12.5	005.32.316	12.9
001.20.513	12.45	003.48.000	12.26	005.32.093	12.5	005.32.317	12.9
001.20.514	12.45	003.48.090	12.17	005.32.094	12.5	005.32.318	12.9
001.22.645	12.44	003.48.090	12.26	005.32.095	12.5	005.32.330	12.9
001.22.663	12.44	003.49.802	12.26	005.32.096	12.5	005.32.331	12.9
001.24.194	12.44	003.49.803	12.26	005.32.098	12.5	005.32.332	12.9
001.24.340	12.36	003.49.804	12.26	005.32.101	12.13	005.32.333	12.9
001.24.341	12.36	003.49.805	12.26	005.32.102	12.13	005.32.334	12.9
001.24.342	12.36	003.49.806	12.26	005.32.103	12.13	005.32.400	12.14
001.24.425	12.44	003.49.808	12.26	005.32.104	12.13	005.32.401	12.14
001.24.443	12.44	003.50.192	12.24	005.32.105	12.13	005.32.402	12.14
001.24.489	12.44	003.50.200	12.24	005.32.106	12.13	005.32.403	12.14
001.24.700	12.34	003.51.001	12.25	005.32.107	12.13	005.32.404	12.14
001.24.710	12.34	003.51.002	12.25	005.32.109	12.13	005.32.405	12.14
001.27.007	12.34	003.55.080	12.25	005.32.110	12.15	005.32.406	12.14
001.28.600	12.34	003.55.081	12.25	005.32.111	12.15	005.32.407	12.14
001.28.602	12.34	003.55.082	12.25	005.32.112	12.15	005.32.408	12.14
001.31.233	12.35	003.55.083	12.25	005.32.113	12.15	005.32.409	12.14
001.34.200	12.34	003.55.084	12.25	005.32.114	12.15	005.32.410	12.14
001.34.210	12.34	003.55.086	12.25	005.32.115	12.15	005.32.420	12.14
001.35.001	12.35	003.55.087	12.25	005.32.116	12.15	005.32.421	12.14
001.41.168	12.45	003.57.140	12.21	005.32.117	12.15	005.32.422	12.14
001.41.220	12.45	003.57.150	12.21	005.32.118	12.15	005.32.423	12.14
001.41.248	12.45	003.58.240	12.28	005.32.119	12.15	005.32.424	12.14
001.41.293	12.45	003.58.241	12.28	005.32.144	12.16	005.32.425	12.14
001.42.020	12.34	003.58.242	12.28	005.32.145	12.16	005.32.426	12.14
001.42.020	12.44	003.58.243	12.28	005.32.146	12.16	005.32.427	12.14
001.42.030	12.34	003.69.510	12.40	005.32.147	12.16	005.32.428	12.14
001.42.030	12.44	003.71.580	12.37	005.32.148	12.16	005.32.429	12.14
001.67.560	12.44	003.71.581	12.37	005.32.149	12.16	005.32.430	12.14
001.67.561	12.44	003.71.582	12.37	005.32.150	12.16	005.32.510	12.13
001.67.562	12.44	003.76.100	12.39	005.32.161	12.15	005.32.512	12.13
001.71.040	12.45	003.76.101	12.39	005.32.163	12.15	005.32.513	12.13
001.71.041	12.45	004.02.255	12.39	005.32.166	12.15	005.32.514	12.13
001.89.505	12.36	004.02.260	12.39	005.32.167	12.15	005.32.515	12.13
001.89.506	12.36	004.54.071	12.39	005.32.171	12.16	005.32.530	12.12
001.89.508	12.36	004.54.080	12.39	005.32.172	12.16	005.32.531	12.12
001.89.510	12.36	005.32.021	12.12	005.32.173	12.16	005.32.532	12.12
001.89.515	12.36	005.32.022	12.12	005.32.175	12.16	005.32.533	12.12
001.89.520	12.36	005.32.023	12.12	005.32.176	12.16	005.32.540	12.12
001.89.530	12.36	005.32.024	12.12	005.32.177	12.16	005.32.541	12.12
001.89.531	12.36	005.32.025	12.12	005.32.178	12.16	005.32.542	12.12
001.89.540	12.36	005.32.026	12.12	005.32.179	12.16	005.32.543	12.12
001.89.550	12.36	005.32.027	12.12	005.32.180	12.9	005.32.650	12.12
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