



**BUILDING TECHNOLOGIES**

**1. Product Name**

NO-COAT® Structural Laminate Drywall Corner System

- ULTRAFLEX™
- ULTRATRIM™
- ULTRA ARCH™

**2. Manufacturer**

Structus Building Technologies, Inc.  
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**3. Product Description**

**BASIC USE**

The NO-COAT® Structural Laminate (SLAM) Drywall Corner System is a complete system for precise angle, archway and inside or outside corner finishing. NO-COAT installs faster and provides superior strength, durability and bottom line savings in labor and mud compared



to traditional corner bead design. NO-COAT abandons corner bead design entirely, and instead integrates new technologies and 3 key components:

- Tapered copolymer core that will not rust, requires less mud and is capable of withstanding severe impacts
- Joint tape that permanently bonds the corner

TABLE 1 RECOMMENDED APPLICATIONS

	Off angles	Inside corners	Outside corners	Archways	Industrial applications	Large gaps	Vaults, soffits	Window returns, door jambs, drop ceilings, etc.	Long spans over 10' (3 m)	Short spans under 10' (3 m)
<b>ULTRAFLEX</b>										
ULTRAFLEX 325	Yes	Yes	Yes	-	-	Yes	Yes	-	-	Yes
ULTRAFLEX 450	Yes	-	Yes	-	Yes	Yes	Yes	-	Yes	-
ZOOMA-FLEX	Yes	Yes	-	-	-	-	-	-	-	Yes
<b>ULTRATRIM</b>										
INSIDE 90	Yes	Yes	-	-	-	-	-	-	-	-
OUTSIDE 90	Yes	-	Yes	-	-	-	-	-	-	-
WIDE OUTSIDE 90	-	-	Yes	-	Yes	Yes	-	-	-	-
L TRIM 1/2"	-	-	-	-	Yes	-	-	Yes	-	-
L TRIM 5/8"	-	-	-	-	Yes	-	-	Yes	-	-
BULLNOSE 3/8"	-	-	Yes	-	Yes	-	-	-	-	-
BULLNOSE 3/4"	-	-	Yes	-	Yes	-	-	-	-	-
BULLNOSE 135°	-	-	Yes	-	Yes	-	-	-	-	-
<b>ULTRA ARCH</b>										
BULLNOSE 3/8"	-	-	-	Yes	-	-	-	-	-	-
BULLNOSE 3/4"	-	-	-	Yes	-	-	-	-	-	-
OUTSIDE 90	-	-	-	Yes	-	-	-	-	-	-

Structus Building Technologies, Inc.

- to drywall with all-purpose joint compound
- Formulated surface paper that eliminates cracks, chips and peels, accepts any finish and resists abrasion

### COMPOSITION & MATERIALS

NO-COAT Structural Laminate Drywall Corners are constructed with a high-strength, tapered copolymer core. The surface is composed of tight-fibered, formulated paperboard; the back is composed of joint tape paper for uniform surface bonding.

### TYPES

#### ULTRAFLEX™

ULTRAFLEX corner trims are ideal for off-angle applications, short and long runs and for repairing damaged drywall corners. The wide flange covers large gaps and poor framing, while the built-in flexible hinge fits any inside or outside corner angle to create crisp, straight lines. ULTRAFLEX corners will withstand signifi-

cant shifting due to settling and temperature and humidity variations without cracking or separating from the wall. They provide an ideal surface for paint and textures and will accept sanding without surface degradation.

- ULTRAFLEX 325 - For short runs of less than 10' (3 m); vertical off-angle applications and stand-ups; and 90 degree inside/outside corners
- ULTRAFLEX 450 Drywall Corner Trim - For long peaks/spans greater than 10' (3 m); vaulted, cathedral and tray ceilings; and inside/outside corners of any length
- ZOOMA-FLEX - For short runs/spans less than 10' (3 m); inside off-angles; and 90 degree inside corners

#### ULTRATRIM™

ULTRATRIM precut corner trim lengths create perfect corners and are fast and easy to install. They accept sanding without surface degradation and provide an ideal surface for

paint and textures. ULTRATRIM corners withstand severe impacts, settling and seismic movements without cracking, denting, chipping, peeling or separating from the wall. They will also withstand significant shifting due to temperature and humidity variations.

- ULTRATRIM INSIDE 90 - Precut to standard lengths for use on 90 degree inside corners
- ULTRATRIM OUTSIDE 90 - Precut to standard lengths for use on 90 degree outside corners
- ULTRATRIM WIDE OUTSIDE 90 - For industrial use on 90 degree outside corners in extremely high traffic areas; covers double wallboard corners and wide gaps
- ULTRATRIM 1/2" L TRIM - For use on window returns, door enclosures, drop ceilings and protective edging with no masking required; strong enough to float 3/4" (19.1 mm) beyond drywall; large flange works on gaps to 1" (25.4 mm)

TABLE 2 SIZES

	Copolymer center thickness	Copolymer edge thickness	Total flange width	Copolymer flange width	Paperboard edge flap	Radius	Roll/stick width, length	Packaging
<b>ULTRAFLEX</b>								
ULTRAFLEX 325	0.044" (1.12 mm)	0.018" (0.46 mm)	1.63" (41.4 mm)	1.10" (27.94 mm)	0.525" (13.34 mm)	-	3.25" wide x 100' roll (83 mm x 31 m roll)	10 rolls/carton
ULTRAFLEX 450	0.064" (1.63 mm)	0.023" (0.58 mm)	2.25" (57.15 mm)	1.67" (42.42 mm)	0.570" (14.48 mm)	-	4.5" wide x 100' roll (114 mm x 31 m roll)	4 rolls/carton
ZOOMA-FLEX	0.018" (0.46 mm)	0.017" (0.43 mm)	1.06" (26.92 mm)	0.610" (15.49 mm)	0.450" (11.43 mm)	-	2.75" wide x 100' or 200' roll (70 mm x 31 or 61 m roll)	10 rolls/carton
<b>ULTRATRIM</b>								
INSIDE 90	0.044" (1.12 mm)	0.025" (0.64 mm)	1.63" (41.4 mm)	1.13" (28.70 mm)	0.50" (12.70 mm)	-	8', 9', 10', 12' stick lengths (2.4, 2.7, 3, 3.7 m stick lengths)	50 sticks/box
OUTSIDE 90	0.057" (1.45 mm)	0.020" (0.51 mm)	1.88" (47.75 mm)	1.38" (35.05 mm)	0.50" (12.70 mm)	-	8', 9', 10', 12' stick lengths (2.4, 2.7, 3, 3.7 m stick lengths)	50 sticks/box
WIDE OUTSIDE 90	0.065" (1.65 mm)	0.028" (0.71 mm)	2.25" (57.15 mm)	1.68" (42.67 mm)	0.57" (14.48 mm)	-	8', 9', 10" stick lengths (2.4, 2.7, 3 m stick lengths)	40 sticks/box
L TRIM 1/2"	0.060" (1.52 mm)	0.026" (0.66 mm)	1.875" (47.63 mm)	1.38" (35.05 mm)	0.50" (12.70 mm)	-	10' (3 m) lengths; custom lengths available	50 sticks/box
L TRIM 5/8"	0.060" (1.52 mm)	0.026" (0.66 mm)	1.875" (47.63 mm)	1.38" (35.05 mm)	0.50" (12.70 mm)	-	10' (3 m) lengths; custom lengths available	50 sticks/box
BULLNOSE 3/8"	0.049" (1.25 mm)	0.031" (0.79 mm)	2.00" (50.80 mm)	1.25" (31.75 mm)	0.750" (19.05 mm)	0.375" (9.53 mm)	8', 9', 10', 12' stick lengths (2.4, 2.7, 3, 3.7 m stick lengths)	50 sticks/box
BULLNOSE 3/4"	0.049" (1.25 mm)	0.031" (0.79 mm)	1.88" (47.75 mm)	1.38" (35.05 mm)	0.50" (12.70 mm)	0.75" (19.05 mm)	8', 9', 10', 12' stick lengths (2.4, 2.7, 3, 3.7 m stick lengths)	50 sticks/box
BULLNOSE 135°	0.045" (1.14 mm)	0.025" (0.64 mm)	1.63" (41.40 mm)	1.13" (28.70 mm)	0.50" (12.70 mm)	0.75" (19.05 mm)	10' (3 m) lengths; custom lengths available	50 sticks/box
<b>ULTRA ARCH</b>								
BULLNOSE 3/8"	0.049" (1.25 mm)	0.031" (0.79 mm)	2.00" (50.80 mm)	1.25" (31.75 mm)	0.750" (19.05 mm)	-	10' (3 m) lengths; custom lengths available	10 sticks/box
BULLNOSE 3/4"	0.049" (1.25 mm)	0.031" (0.79 mm)	1.88" (47.75 mm)	1.38" (35.05 mm)	0.50" (12.70 mm)	-	10' (3 m) lengths; custom lengths available	10 sticks/box
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NO-COAT L Trim Install



NO-COAT Boxing corner



NO-COAT ULTRAFLEX Application

- **ULTRATRIM 5/8" L TRIM** - For use on window returns, door enclosures, drop ceilings and protective edging with no masking required; strong enough to float 3/4" (19.1 mm) beyond drywall; large flange works on gaps to 1" (25.4 mm)
- **ULTRATRIM 3/8" BULLNOSE** - Ridge-free radius; for use on 90 degree outside corners; eliminates transition angles and bead ridges for superior aesthetic results
- **ULTRATRIM 3/4" BULLNOSE** - Ridge-free radius; for use on 90 degree outside corners; eliminates transition angles and bead ridges for superior aesthetic results
- **ULTRATRIM 135° 3/4" BULLNOSE** - Ridge-free radius; for use on 135 degree outside corners; eliminates transition angles and bead ridges for superior aesthetic results

**ULTRA ARCH™**

ULTRA ARCH tape-on drywall arches have notched flanges that flex and conform to any arch without spray glues or staples. The stiff profile and preformed, uniform 90 degree angle fine tunes poor framing and creates a smooth, round drywall arch.

- **ULTRA ARCH 3/8" BULLNOSE** - For use on 90 degree bullnose archways
- **ULTRA ARCH 3/4" BULLNOSE** - For use on 90 degree bullnose archways
- **ULTRA ARCH OUTSIDE 90** - For use on 90 degree outside archways

**SIZES**

See Table 2.

**COLOR**

White, Off-White.

**BENEFITS**

- Cost effective - Saves up to 50% on labor and materials and eliminates drywall repairs and callbacks
- Rolls and precut lengths enable fast application
- Tapered copolymer core ensures precise, straight corners; adjusts and squares irregular framing
- Permanently bonds corner to drywall with all-purpose joint compound
- Joint paper resists abrasion and will not "alligator" or wrinkle
- Absorbs settling and seismic movements with superior strength and durability - Will not crack, dent or chip
- Uniformly accepts paint and texture for a superior finish; does not require compound or coating at the corner apex
- Integrates seamlessly with other corner products

**ACCESSORIES, TOOLS**

- 3/4" (19.05 mm) Transition Cap
- 3/4" (19.05 mm) 3-way Corner Cap
- 3/4" (19.05 mm) 2-way Corner Cap
- 3/8" (9.53 mm) 3-way Corner Cap
- 3/8" (9.53 mm) 2-way Corner Cap
- 90 degree 3-way Outside Corner Cap
- **ULTRATOOL™ DOUBLE BARREL HOPPER**
- **ULTRATOOL™ OUTSIDE 90 ROLLER** for use with ULTRATRIM OUTSIDE 90 and BULLNOSE corners

- **ULTRATOOL™ WIDE OUTSIDE 90 & BULLNOSE ROLLER** for use with ULTRATRIM WIDE OUTSIDE 90 and BULLNOSE corners
- **ULTRATOOL™ INSIDE 90 ROLLER** for use with ULTRATRIM INSIDE 90 corners and ULTRAFLEX 325 off-angles
- **ULTRATOOL™ ONE-SIDE ROLLER** for use with ULTRATRIM L TRIM corners and ULTRAFLEX off-angles

**LIMITATIONS**

NO-COAT corners are not recommended for use in plaster applications or on flat seams.

**4. Technical Data**

**APPLICABLE STANDARDS**

ASTM International (ASTM)

- ASTM C1047 Standard Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base
- ASTM D1037 Standard Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials
- ASTM E72 Standard Test Methods of Conducting Strength Tests of Panels for Building Construction
- ASTM E84 Standard Method of Test for Surface Burning Characteristics of Building Materials

National Fire Protection Association (NFPA) - NFPA 101 Life Safety Code

Uniform Building Code (UBC) - UBC No. 8-1

**PHYSICAL/CHEMICAL PROPERTIES**

- Impact resistance (ASTM D1037, modified) - Drop height of initial failure 96" (2438 mm) minimum
- Racking Test (ASTM E72, modified), deflection at failure - No failure to maximum test deflection
- Bondable Area - Corner trim, minimum 48 in<sup>2</sup>/per lineal ft (9400 mm<sup>2</sup>/m)

**FIRE PERFORMANCE**

NO-COAT Structural Drywall Corners meet NFPA Class A, UBC Class 1 when tested in accordance with ASTM E84.

- Flamespread index - 5
- Smoke density index - 100

**ENVIRONMENTAL CONSIDERATIONS**

NO-COAT corners contain no halogenated materials, do not emit volatile organic compounds (VOCs) and are made with 100% recyclable materials.

Contact Structus Building Technologies, Inc., to request specific LEED®/environmental data as needed for individual projects.

**5. Installation**

**PREPARATORY WORK**

Deliver products in manufacturer's original, unopened, undamaged containers with identification labels intact. Store materials flat on the floor, protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.

Verify that site conditions are acceptable for installation. Do not proceed with installation until unacceptable conditions are corrected.

**METHODS**

Apply a generous amount of approved joint compound to a clean, dry surface of drywall. With logo side to wall, place the NO-COAT corner onto wet joint compound and press on firmly. Using a stiff 4" - 6" (102 - 152 mm) taping knife or an appropriate NO-COAT roller, wipe very hard, squishing excess mud out from behind the NO-COAT corner and embedding the mud into both the paper fibers of the drywall board and the joint tape paper surface of the NO-COAT corner. NO-COAT installation rollers are available to help ensure proper embedding, depending on the product used. Sand after final coat.

Detailed installation instructions and installation tips are available online at [www.no-coat.com](http://www.no-coat.com).

**PRECAUTIONS**

Provide adequate ventilation to reduce the possible buildup of paper dust fibers in areas where cutting or machining processes are being performed.

**BUILDING CODES**

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

from the manufacturer upon request.

**6. Availability & Cost**

**AVAILABILITY**

NO-COAT Structural Laminate Drywall Corners, drywall finishing tools and accessories are sold through a network of over 5000 dealers worldwide. Locate a dealer online at [www.no-coat.com](http://www.no-coat.com) or contact the manufacturer for information on local availability. NO-COAT drywall corner trim can also be purchased at industry online retailers. For information regarding specific retailers, call 1 (888) 662-6281.

**COST**

Budget installed cost information may be obtained from the manufacturer.

**7. Warranty**

Structus Building Technologies, Inc., offers a lifetime warranty against defects in materials and workmanship and also provides for replacement costs. Warranty is only effective when products are installed with all-purpose or taping compounds and in accordance with manufacturer's NO-COAT warranty installation instructions. Complete warranty terms and conditions are available from the manufacturer. For details, visit [www.no-coat.com](http://www.no-coat.com) or consult Structus Building Technologies, Inc.

**8. Maintenance**

None required.

**9. Technical Services**

Technical assistance, including more detailed information, product literature, test results, project lists, assistance in preparing project specifications and arrangements for application supervision, is available by contacting Structus Building Technologies.

**10. Filing Systems**

- MANU-SPEC®
- First Source CAD
- Additional product information is available