



XtraFlex™ Premium Acrylic Mortar Additive

Updated September 2025

1. PRODUCT NAME

TEC® XtraFlex™ Premium Acrylic Mortar Additive
(872)

2. MANUFACTURER

TEC Specialty Products LLC
1105 South Frontenac Street
Aurora, IL 60504-6451 U.S.A.
800.832.9002 Customer Service
800.832.9023 Technical Support
tecspecialty.com

3. DESCRIPTION

XtraFlex premium acrylic latex mortar additive is specifically formulated for use in place of water in TEC brand unmodified thin set to provide enhanced performance characteristics.

Also highly recommended as an admixture for scratch and brown coats.

Key Features and Benefits

- 100% acrylic polymer
- Highest polymer solids for increased flexibility
- Flexible: absorbs 1/16" (1.6 mm) in-plane movement
- Best for porcelain tile
- Excellent for wet areas
- Strongest bonds to plywood
- Interior/exterior use
- Exceeds ANSI A118.4 and A118.11
- Rated for extra heavy commercial traffic

Packaging

5 U.S. gallon pails (18.92 L)
50 U.S. gallon drums (189.21 L)

Product #15035220
Product #15035219

Suitable Substrates and Preparation

Refer to detailed information on product packages for each thin set or recommended specialty mortar.

Storage

Store in cool, dry location. Do not store open containers.

Shelf Life

Maximum of 18 months from date of manufacture in unopened package.

Limitations

Recommended as a mortar additive only. Do not use XtraFlex additive as an admixture for portland cement grouts. Latex-modified mortars should not be used for installing green marble, other moisture-sensitive stone tile or resin-backed marble; use TEC AccuColor EFX® Epoxy Grout and Mortar. Latex-modified mortars should not be applied when the temperature of the area and substrate to be tiled is below 50°F (10°C) as this delays the curing process.

Cautions

Read complete cautionary information printed on product container prior to use. For medical emergency information, call 1-888-853-1758.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered TEC brand product(s) under normal environmental and working conditions. Because each project is different, TEC Specialty Products LLC cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions

4. TECHNICAL DATA

Applicable Standard

Exceeds ANSI A118.4 and ANSI A118.11 specifications.

XtraFlex™ Premium Acrylic Mortar Additive (872)		
Description	ANSI Requirement	Typical Results for XtraFlex mixed with Full Set Plus (380/381)
28 Day Shear Strength Glazed Wall Tile Impervious Ceramic Tile (Porcelain) Quarry Tile	> 300 psi (2.1 MPa) > 200 psi (1.4 MPa) > 150 psi (1.0 MPa)	> 600 psi (4.1 MPa) 375-450 psi (2.5-3.1 MPa) 450-600 psi (3.1-4.1 MPa)
Sag on Vertical Surfaces	≤ 1/16" (1.6 mm)	< 1/16" (1.6 mm)
Open Time [at 72°F (22°C)]	≥ 50 minutes	90-120 minutes
Adjustability [at 72°F (22°C)]	≥ 30 minutes	50-70 minutes
Final Set	Between 9-15 hours	Between 9-15 hours
Flexibility (movement absorbed before shear) Porcelain to Concrete <small>Tested in accordance with ANSI A118.4 Specifications for Latex Portland Cement Mortars</small>	No ANSI spec currently available	1/16" (1.6 mm)
28 Day Shear Strength Quarry Tile <small>Tested in accordance with ANSI A118.11 Specifications for Latex-Modified Dry Set Mortars over Exterior Grade Plywood</small>	> 150 psi (1.0 MPa)	> 250 psi (1.7 MPa)

Physical Properties

Description	
Physical State	Liquid
Color	White, dries clear
VOC	12 g/L
Freeze/Thaw Stability	Freeze/thaw stable. If frozen, thaw and stir before using.
Storage	Store in cool, dry location. Do not store open containers.
Shelf Life	Maximum 18 months from date of manufacture in properly stored, unopened package

5. INSTALLATION INSTRUCTIONS

Mixing

For best results, add powder to liquid. In a clean mixing container, add unmodified mortar to additive as specified below.

Mortar Size	Amount of XtraFlex
50 lbs. (22.68 kg)	1.85 Gallons (7.00 L)
For mortar bed applications: 80 lbs. (36.28 kg) of a 3:1 sand/portland mix	4½-5 qts. (4.2-4.7 L) at a 1:1 dilution ratio: 2¼ qts. XtraFlex : 2¼ qts. water (2.1 L XtraFlex : 2.1 L water) Gauge to proper working consistency

Product Data

Application

Install in accordance with detailed instructions on TEC thin set or specialty mortar product data sheets or packages.

6. AVAILABILITY

TEC premium surface preparation, tile, stone, carpet, wood and resilient floor covering installation products are available nationwide.

To locate a distributor in your area, please contact:

Phone: 800-832-9002

Website: tecspecialty.com

7. LIMITED WARRANTY

The product(s) covered by this Product Data Sheet are sold subject to a Limited Warranty and related terms. **TEC Specialty Products LLC disclaims the implied warranties of merchantability and fitness for a particular purpose and all incidental and consequential damages arising out of the sale, purchase or use of this product.** For Limited Warranty details visit tecspecialty.com. To obtain a hard copy of the Limited Warranty call TEC Specialty Products at 800-832-9023 or mail a written request to the address in Section 2 of this Product Data Sheet.

8. MAINTENANCE

Not applicable

9. TECHNICAL SERVICES

Technical and safety literature

To acquire technical and safety literature, please visit our website at tecspecialty.com.

10. FILING SYSTEM

Division 9



To learn more, visit TECSpecialty.com



TEC Specialty Products LLC | 1105 South Frontenac Street, Aurora, IL 60504-6451



@TECInstallationSystems



tecinstallationsystems



TECInstallationSystems



TEC Installation Systems