

## 1. PRODUCT NAME

TEC® XtraFlex™ Premium Acrylic Mortar Additive

## 2. MANUFACTURER

H.B. Fuller Construction Products Inc.  
1105 South Frontenac Street  
Aurora, IL 60504-6451 U.S.A.  
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tecspecialty.com



## 3. DESCRIPTION

XtraFlex premium acrylic latex mortar additive (TA-872) 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

1.85 U.S. gallon plastic jugs (7.0 L)	Product #33-0528-7011
5 U.S. gallon pails (18.92 L)	Product #33-0528-1511
50 U.S. gallon drums (189.21 L)	Product #33-0528-0111

### 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 (TA-440). 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, H.B. Fuller Construction Products Inc. 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, TA-872		
Description	ANSI Requirement	Typical Results for XtraFlex mixed with Full Set Plus (TA-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
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

### Application

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

## 6. AVAILABILITY AND COST

### Availability

TEC Premium Products are available nationwide.  
To locate a distributor in your area, please contact:

Phone: 800-832-9002

Website: [tecspecialty.com](http://tecspecialty.com)

### Cost

Contact your local TEC Distributor.

## 7. WARRANTY

For warranty details, see your sales associate or [tecspecialty.com](http://tecspecialty.com).

## 8. MAINTENANCE

Not applicable

## 9. TECHNICAL SERVICES

### Technical assistance

Information is available by calling the Technical Support Hotline.

Toll Free: 1-800-832-9023

Fax: 630-952-1235

### Technical and safety literature

To acquire technical and safety literature, please visit our website at [tecspecialty.com](http://tecspecialty.com).

## 10. FILING SYSTEM

Division 9



[tecspecialty.com](http://tecspecialty.com)



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