Ultra-Set® Advanced
WATERPROOFING, SOUND REDUCING AND ANTI-FRACTURE MEMBRANE

KEY FEATURES
- High performance urethane formula
- Bridges cracks up to 1/8”
- Interior and exterior use, horizontal and vertical installations

DESCRIPTION
Ultra-Set® Advanced is a tenacious, one-part, trowel applied, elastomeric waterproofing/crack/sound isolation membrane and setting adhesive. Use Ultra-Set® Advanced as a waterproofing, crack, and sound isolation membrane over properly prepared concrete; structurally-sound, exterior grade plywood (interior/dry use only); cementitious backer board; and existing, well-bonded vinyl/VCT or ceramic tile; prior to the installation of ceramic or stone tile. Ultra-Set® Advanced may be used with gypsum based underlayments in dry, above grade installations with minimum compressive strengths of 2,000 psi. Follow applicable TCNA specifications for installation of tile over poured gypsum underlayments. Use Ultra-Set® Advanced as a setting adhesive for ceramic or stone tiles over properly prepared concrete; structurally-sound, exterior grade plywood (interior/dry use only); cementitious backer board and existing, well-bonded vinyl/VCT or ceramic tile.

Ultra-Set® Advanced was independently tested in a controlled laboratory environment to measure the IIC (Impact Insulation Class) according to ASTM E492-04 and E989-89 and STC (Sound Transmission Class) according to ASTM E90-04 and E413-04 installed over 6 inch (152 mm) Concrete Slab Floor-Ceiling Assembly with Suspended 5/8” Gypsum Board Ceiling with Quarry Tile on Bostik Ultra-Set® Advanced Membrane.

WHERE TO USE
Interior/exterior floors and walls.

DIRECTIONS FOR USE
Read and understand technical and safety data sheets completely before beginning installation. Follow applicable ANSI, NTCA and TCNA installation standards. Refer to www.bostik-us.com for the most recent product information and safety data sheet prior to installation.

TYPICAL PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC Content</td>
<td>135 g/L</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Weight</td>
<td>14.1 lbs/gal</td>
</tr>
<tr>
<td>Hardness</td>
<td>45 Shore A Type</td>
</tr>
<tr>
<td>Flash Point</td>
<td>145°F (62.7°C)</td>
</tr>
<tr>
<td>Modulus at Break</td>
<td>180 psi</td>
</tr>
<tr>
<td>Elongation</td>
<td>600%</td>
</tr>
<tr>
<td>Cure Time</td>
<td>6 to 12 hours</td>
</tr>
</tbody>
</table>

Service Temperature:
- Normal Use: -20°F to 140°F (-6.6°C to 60°C)
- Continuous Emersion: 120°F maximum (48.8°C)

Flame Spread Index: 5
Ultra-Set® Advanced according to Bostik’s current published literature, or consult Bostik’s Technical Service Department for application instructions.

**APPLICATION**

For waterproofing, noise reduction, and crack isolation: Apply Ultra-Set® Advanced using the notched side of a 3/16’ x 5/32’ V-notch trowel, immediately smooth material with flat side of trowel to achieve a flat, uniformly thick membrane with a minimum wet thickness of 30-mil (thickness of a drivers license).

As an anti-fracture/crack isolation membrane: Apply Ultra-Set® Advanced using the notched side of a 3/16’ x 5/32’ V-notch trowel. Immediately smooth material with flat side of trowel to achieve a flat, uniformly thick membrane with a minimum wet thickness of 30-mil (thickness of a drivers license). The membrane should be applied to both sides of the crack/joint a minimum of the width of the tile being installed (i.e. a 12” tile should have a minimum 24” wide membrane).

As a setting adhesive: Due to its tremendous diversity, apply Ultra-Set® Advanced according to Bostik’s current published literature, or consult Bostik’s Technical Service Department for application instructions.

**SURFACE PREPARATION**

All surfaces must be structurally sound, clean, free of dust, dirt, oil, grease, water, curing compounds, sealers, waxes or any contaminants that may inhibit proper bond. TCNA recommends roughing or scarifying glazed tile substrates.

**NOTE:** It is the user’s responsibility to determine the condition and suitability of all surfaces before application.

Prior to application of membrane: All cracks (1/8” or less), coves, corners, drains, pipes, etc. should be treated by applying Ultra-Set® Advanced with the notched-side of a 3/16” x 5/32” V-notch trowel. Immediately embed a 2” wide fiberglass mesh tape into the fresh material with the flat side of the trowel to achieve a flat, reinforced, uniformly thick membrane (30-mil. minimum). A minimum 6” wide coat should be applied to both sides of the joint, crack, or intersection.

All cracks greater than 1/8” should be treated, by inserting a backer rod, bond breaker tape or, fill the crack/joint with Ultra-Set® Advanced or Bostik 915FS™ urethane sealant. Apply Ultra-Set® Advanced with the notched-side of a 3/16” x 5/32” V-notch trowel. Immediately embed a 2” wide fiberglass mesh tape into the fresh material with the flat side of the trowel to achieve a flat, reinforced, uniformly thick membrane (30-mil. minimum). A minimum 6” wide coat should be applied to both sides of the joint, crack, or intersection.

If pinholes are excessive, cut-out affected area and replace with fresh material.

- To use where hydrostatic/negative water pressure can occur.
- Ultra-Set® Advanced is not intended to reduce sub-floor moisture or moisture vapor transmission.
- Ultra-Set® Advanced is not designed for use in joints/cracks with dynamic movement (i.e. expansion, isolation, or construction joints).
- As a waterproofing/anti-fracture/sound reduction membrane Ultra-Set® Advanced is designed for movement of 1/8”, or less.
- If Ultra-Set® Advanced is exposed to excessive moisture while curing, membrane may exhibit bubbles or pinholes.
- When used as a waterproofing membrane, fill any pinholes or voids with a second coat of Ultra-Set® Advanced. If pinholes are excessive, cut-out affected area and replace with fresh material.

**LIMITATIONS**

- Ultra-Set® Advanced is not designed to be a wear surface.
- It must be covered with approved flooring materials using approved application methods.
- Ultra-Set® Advanced is a “positive” waterproofing membrane only. Do not use where hydrostatic/negative water pressure can occur.
- Ultra-Set® Advanced in not intended to reduce sub-floor moisture or moisture vapor transmission.
- Ultra-Set® Advanced is not designed for use in joints/cracks with dynamic movement (i.e. expansion, isolation, or construction joints).
- As a waterproofing/anti-fracture/sound reduction membrane Ultra-Set® Advanced is designed for movement of 1/8”, or less.
- If Ultra-Set® Advanced is exposed to excessive moisture while curing, membrane may exhibit bubbles or pinholes.
- When used as a waterproofing membrane, fill any pinholes or voids with a second coat of Ultra-Set® Advanced. If pinholes are excessive, cut-out affected area and replace with fresh material.

**TILE INSTALLATION**

Install ceramic tile or stone with Bostik Reflex™, Glass-Mate™, Big Tile & Stone™, Single Flex®, Single Flex® FS, Bostik PM™; and Tile-Mate® Premium or TileMate® Floor & Wall mixed with Bostik 425™ Multi-Purpose Acrylic Latex Admixture or Flex-A-Lastic®, EzPoxy™ EzClean™ 100% Solids Epoxy, or Bostik 1900™ Epoxy Modified Grout & Mortar Admixture. Follow applicable ANSI, TCNA & NTCA installation standards.

**PACKAGING**

- 2 gallon pails
- 5 gallon pails
- 20 oz. sausages foils, 12 per case.

**COVERSAGE**

50 square feet per gallon.

**CLEAN-UP**

Clean all tools and equipment immediately with Bostik’s Ultimate™ Adhesive Remover or mineral spirits before material cures. Cured urethane is difficult to remove. For cured material, use Bostik’s Ultimate™ Adhesive Remover.

**CURING**

Keep all traffic off the installation until material cures (approximately 6-12 hours). Set times are dependent upon temperature and humidity.
If in eyes or on skin, rinse with water for at least 15 minutes. If breathed in, move person to fresh air. If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting.

VOC 135 g/L (as calculated per SCAQMD 1168)

LIMITED WARRANTY

Limited Warranty found at www.bostik-us.com or call 800.726.7845. TO THE MAXIMUM EXTENT ALLOWED BY LAW, BOSTIK DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. UNLESS OTHERWISE STATED IN THE LIMITED WARRANTY, THE SOLE REMEDY FOR BREACH OF WARRANTY IS REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER’S PURCHASE PRICE. BOSTIK DISCLAIMS ANY LIABILITY FOR DIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES TO THE MAXIMUM EXTENT ALLOWED BY LAW. DISCLAIMERS OF IMPLIED WARRANTIES MAY NOT BE APPLICABLE TO CERTAIN CLASSES OF BUYERS AND SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. It is the buyer’s obligation to test the suitability of the product for an intended use prior to using it. The Limited Warranty extends only to the original purchaser and is not transferable or assignable. Any claim for a defective product must be filed within 30 days of discovery of a problem, and must be submitted with written proof of purchase.
This document supersedes all previously published literature.

Bostik, Inc.
11320 W. Watertown Plank Road
Wauwatosa, WI 53226
www.bostik-us.com

BOSTIK HOTLINE
Smart help™
1-800-726-7845