



FLEX TILE

ULTRA-PERFORMANCE CAULK

DESCRIPTION

Flextile Ultra-Performance Caulk is a premium performance hybrid adhesive and sealant, formulated with MS Polymer Technology. Product is moisture curing, exhibiting outstanding sealant durability & adhesive strength after full cure. It is specially designed to complement the Flextile Polymer-Modified Grout line.

BASIC USES

Flextile Ultra-Performance Caulk cures in 3-5 days. Typical applications are in wet environments such as shower and tub surrounds, sinks, backsplashes and areas of high humidity. It remains highly flexible with up to 500% elongation making it excellent for use in floor joints and low movement wall joints. It is paintable with most paints. Excellent adhesion to many substrates including aluminum, steel, glass, wood & many plastics.

FEATURES

- Chemically neutral: Non-corrosive & low odor.
- Outstanding bond strength on most substrates.
- Excellent application characteristics.
- Color stable & UV resistant – non-yellowing.
- Cures in wet environments.
- Stays highly flexible – will not crack.
- VOC compliant.
- Stain, mold and mildew resistant.
- Paintable.
- For indoor and outdoor use.
- Meets ASTM C920 and TTS 0230C for larger joints and expansion joints.

LIMITATIONS

- Application temperature range is 10°C to 32°C (50°F to 90°F).
- Do not use in areas where joints will be subject to heavy abrasion or wear.
- Flextile Ultra-Performance Caulk is colour-matched to Flextile's polymer-modified grouts, however a slight variation in colour may be expected due to the difference in material compositions.
- Not recommended for use on PE, PP or PTFE (Teflon®), due to poor adhesion to these substrates.
- Poor resistance to aromatic solvents, concentrated.
- Acids & chlorinated hydrocarbons.
- Solvent Clean up.
- Not recommended for use as a glazing sealant.
- Not recommended for applications below the water line/continuous immersion or for sealing/bonding windshields.
- Product is combustible.

LEED Points Contribution

MR Credit 5, Regional Materials*
IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants
IEQ Credit 4.3, Low-Emitting Materials – Flooring Systems
**May be eligible*

LEED Points
Up to 2 points

1 point

1 point

TECHNICAL DATA at 23°C (73°F) and 50% humidity

Exceeds **TTS-0230C** and **ASTM C920**

Typical Physical Properties

Description	TYPICAL RESULT
Weight per gal	13.0
Specific Gravity	1.57
Total Non-Volatiles	>90%
Odour	Low
Base Polymer	MS Polymer Blend/Silane Terminated
Pigment	Yes
Freeze-Thaw stability	Passes 5 cycles
Slump	None
Artificial Weathering	Good
Flexibility	Excellent
Tack free time	4hrs
Shore A hardness	35
Application temperature	10°C to 32°C (50°F to 90°F)
Service temperature	-18 to 71°C (0 to 160°F)
Paintability	Yes
Staining	Non staining (normal chemicals and household)
% Elongation at break	up to 500% elongation
Tooling	With mineral spirits
Skin over time	1 hr
Tensile strength	Cohesive failure, approx. 300 psi
Coverage per cartridge	Approx. 7.6M (25 ft) for a 6mm (1/4") x 3.6mm (3/16") joint size.
Shelf Life:	1 year from production date when stored in dry, heated conditions PROTECT FROM FREEZING

** Coverages given are for estimating purposes only. Actual coverages may vary depending on job site conditions and installation techniques used.*

APPLICATION

DIRECTIONS

1. Surfaces must be dry, clean and free of dust, dirt, mildew, oil and other foreign substances.
2. Cut spout to desired bead thickness. Puncture foil seal inside nozzle.
3. Remove all old caulking before applying new caulk. Clean area with mild solution of bleach and water. Be sure area to be caulked is completely dry before applying caulk.
4. Apply caulk on surfaces which are maintained at above 10°C to 32°C (50°F to 90°F). Tool caulking within 5 minutes of application.
5. Excess may be cleaned up with mineral spirits or denatured alcohol before caulk begins to skin over.
6. Caulk is fully cured in 3-5 days depending on temperature, humidity, and thickness of application.

COVERAGE

Approx. 7.6M (25 ft) for a 6mm (¼ ") X 3.6mm (3/16") joint size.

IMPORTANT

Mask or shield areas susceptible to staining. Test in a non-conspicuous area to see if staining will occur.

SAFETY

Refer to Flextile Material Safety Data Sheet for detailed health and safety information.

KEEP OUT OF REACH OF CHILDREN

AVAILABILITY AND COSTS

Flextile Ultra-Performance Caulk is available from Flextile Ltd. and its distributors in cartridges of 310ml (10.3 fl. oz.).

Cost: Data supplied upon request.

WARRANTY

Flextile warrants that this product is of merchantable quality and is suitable for the purpose for which it is intended. Flextile's liability under this warranty shall be limited to replacement of its product found to be defective or, at its option, a refund of the purchase price.

MAINTENANCE

No maintenance is required except where damages result from unforeseen circumstances. Repair procedures shall be directed by Flextile or its distributors.

TECHNICAL SERVICES

Flextile maintains a well-equipped laboratory able to test its products in conjunction with the products with which they are used. Technical assistance for use of Flextile products is available upon request.

RELATED REFERENCES

Current editions of TTMAC 09 30 00 & TCNA Ceramic Tile Installation Manuals.



30 July, 2012 (v.2.)