

CE-302
12/13 Supersedes 09/06

FLEXJOINT[®] MT (MOISTURE TOLERANT) 250 Sealant

DESCRIPTION

FLEXJOINT MT 250 Sealant is a two-component epoxy sealant for expansion and control joints in corrosion-resistant floor construction. FLEXJOINT MT 250 Sealant is a pourable, moisture-tolerant joint filler. FLEXJOINT MT 250 Sealant does not require a primer. It offers good movement capability and load-transfer ability across a joint. It provides high bond strength and good traffic bearing characteristics where resiliency, flexibility, and chemical resistance are required. **Consult Corrosion Engineering specification [CES-130](#) for complete installation details.**

AREAS OF USE

FLEXJOINT MT 250 Sealant may be used in conjunction with:

- Concrete floor slabs
- Foundations and footings
- Floor toppings
- Acid brick and tile floor construction
- Piers and pedestals

FLEXJOINT MT 250 Sealant may be used to seal control joints in concrete.

FLEXJOINT MT 250 Sealant can be used outdoors and in compatible chemical environments. Exposure to U-V rays and certain chemicals may cause joint discoloration. Discoloration should not be regarded as a sign of joint deterioration unless it is accompanied by defects such as cracking, erosion or swelling.

OUTSTANDING FEATURES

- FLEXJOINT MT 250 Sealant is moisture tolerant and corrosion resistant.
- FLEXJOINT MT 250 Sealant offers primerless adhesion to concrete, ceramic tile, acid brick, steel, and thermoset polymers such as epoxies, polyurethanes, and vinyl esters.
- FLEXJOINT MT 250 Sealant is designed for balanced hardness and flexibility, to accommodate slab movement while resisting damage due to wear and tear.
- FLEXJOINT MT 250 Sealant maintains flexibility over time.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	FLEXJOINT MT 250 Sealant
Cured Density	88 lbs/cu. ft. (1410 kg/m ³)
Tensile Strength (ASTM C-307) after 14 days @ 70°F (21°C)	1850 - 1900 psi (12.8 - 13.1 MPa)
Tensile Elongation (ASTM D-638) after 28 days @ 70°F (21°C)	225 +/- 25%
Solids Content, mixed	100%
Bond Strength (ASTM C-321) after 28 days @ 70°F (21°C)	Greater than strength of concrete
Moisture Absorption (ASTM C-413)	<0.5 %/wt
Hardness, 28 days @ 70°F (21°C)	75 +/- 5 (Shore A)
Temperature resistance - continuous (dependent on chemistry) - infrequent, occasional steam	140 - 160 °F (60 - 70°C) 200 - 220 °F (93 - 104°C)
Work life, initial set time @ 70°F (21°C)	40-50 minutes, 4-5 hours
Color (Consistency)	Black, Grey (Thick, pourable liquid)
Minimum setting temperature (material temperature at time of mixing = 70°F (21°C)).	40 - 45°F (5 - 7°C)

ESTIMATING/PACKAGING THEORETICAL QUANTITIES – NO OVERAGE ALLOWANCE

PRODUCT	CODE	PACKAGING	COVERAGE
FLEXJOINT MT 250 Sealant-Gray	29516	1.0 gal (12 lb) unit	1/8" x 1/8" - 1230 lineal ft./unit 1/8" x 1/4" - 615 lineal ft./unit 1/4" x 1/4" - 308 lineal ft./unit
FLEXJOINT MT 250 Sealant - Black	29517	1.0 gal (12 lb) unit	1/4" x 1/2" - 154 lineal ft./unit 1/2" x 1/2" - 77 lineal ft./unit 1/2" x 1" - 39 lineal ft./unit 1" x 1" - 19 lineal ft./unit

SAFETY PRECAUTIONS / DISCLAIMER

Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and [material safety data sheets](#) before using. While all statements, technical information, and recommendations contained herein are based on information our company believes to be reliable, nothing contained herein shall constitute any warranty, express or implied, with respect to the products and/or services described herein and any such warranties are expressly disclaimed. We recommend that the prospective purchaser or user independently determine the suitability of our product(s) for their intended use. No statement, information or recommendation with respect to our products, whether contained herein or otherwise communicated, shall be legally binding upon us unless expressly set forth in a written agreement between us and the purchaser/user.



Corrosion Engineering | 300 Stevens Drive, Suite 310, Lester, PA 19113
 +1-610-833-4001 Phone | +1-610-833-3040 Fax | corrosion-engineering.com