

CE-135
12/13 Supersedes 07/09

TUFCHEM[®] II JOINT SEALANT

DESCRIPTION

TUFCHEM II Joint Sealant is a two-component urethane asphalt sealant for expansion contraction and control joints in corrosion-resistant floor construction. TUFCHEM II Joint Sealant is designed to offer a degree of flexing capability in joints where joint movement is taking place. It provides high bond strength and is used where resiliency, flexibility, and chemical resistance are required. TUFCHEM II Joint Sealant by its nature is black in color. Proper rules for joint width:depth ratios should be followed when using Tufchem II Joint Sealant. **Consult Corrosion Engineering specifications [CES-334](#) for mixing instructions and [CES-130](#) for installation instructions.**

AREAS OF USE

TUFCHEM II Joint Sealant is pourable at normal temperatures and is used for filling horizontal joints in acid brick floor construction, concrete floor slabs, column pedestals, foundations, piers on interior applications, latex cement floor toppings, epoxy and vinyl ester resin toppings, metal, glass, and ceramic tile.

TUFCHEM II Joint Sealant may also be used to seal control joints in concrete. It can also be used to bond to and seal to galvanized prefabricated trench assemblies. Consult physical properties section regarding primers.

TUFCHEM II Joint Sealant is suitable for filling moving expansion joints in exterior areas. In areas where heavy load transfer across the joint is of prime concern, substitute FLEXJOINT Joint Sealant which has a higher hardness rating.

OUTSTANDING FEATURES

- TUFCHEM II Joint Sealant is corrosion resistant.
- TUFCHEM II Joint Sealant offers good joint movement capability and excellent recovery. It absorbs the stresses of irreversible growth compression in brick floor construction without developing counter stresses in the masonry
- TUFCHEM II Joint Sealant hardness is ideal for expansion and contraction joints in corrosion resistant containment areas.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TUFCHEM II Joint Sealant
Color and Appearance	Black elastomeric rubber
Elongation at 74°F (fully cured) (ASTM D412)	>100%
Bond Strength to Carbon Steel (ASTM D412)	>120 psi (0.83 MPa)
Tensile Strength at 74°F (fully cured) (ASTM D412)	>120 psi (1.5 MPa)
Abrasion Resistance to Sandblasting (FED-TT-C-520)	Excellent
Service Temperature	-40°F to 140°F (-40°C to 66°C)
Permeance (ASTM C96, Method E)	<0.3 Perms
Mix Ratio - Component A : Component B	62:1 by weight
Pot Life (Approximately)	45 to 60 min @ 70°F (21°C)
Primers - Concrete - Galvanized steel	Penntrowel® Epoxy Primer (CE-139) Pennguard® Wash Primer (CE-227)

ESTIMATING/PACKAGING THEORETICAL QUANTITIES – NO OVERAGE ALLOWANCE

PRODUCT	CODE	PACKAGING	*COVERAGE*
TUFCHEM II Joint Sealant	29570	1.5 Gallon Unit	½" x ½" - 115 lineal ft (35 m) /unit ½" x 1" - 58 lineal ft (17 m) /unit 1" x 1" - 29 lineal ft (8.8 m) /unit

*Coverages shown represent theoretical joint volumes, and do not account for joint width variation, pail loss, and normal wastage.

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.



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