



PRODUCT INFORMATION

CE-274
04/20 Supersedes 10/18

TUFCHEM™ NOVOLAC SPRAYABLE EPOXY

DESCRIPTION

TUFCHEM Novolac Sprayable Epoxy is a three component, 100% solids, high functional novolac epoxy lining applied at 1/8 inch (3 mm) to horizontal, vertical and overhead surfaces using peristaltic spray equipment. It protects steel, concrete and brick structures from a range of acids, alkalis and solvents. Though no primer is required for adhesion, sealing concrete substrates with PENNTROWEL™ Epoxy Primer (CE-139) prior to application will reduce the risk of pinholes from outgassing. Consult ErgonArmor specification CES-328 for complete installation details.

AREAS OF USE

- Corrosion protection for wastewater collection and treatment, metallurgical processing, textile dyeing, metal treatment, power generation, and more
- Sumps, pits and lift stations
- Basins, manholes and junction boxes
- Secondary containment
- Columns, beams, foundations, footings and other structural supports
- Floors, walls, curbs, and ceilings

OUTSTANDING FEATURES

- Superior temperature and chemical resistance among epoxy linings
- Spray applied for fast installation
- High film build in one pass
- 100% reactive – no VOCs
- Textured, antiskid as-sprayed finish

TYPICAL PHYSICAL PROPERTIES

PROPERTIES	TUFCHEM Novolac Sprayable Epoxy
Color	Gray
Density	118 lb/cu ft (1.89 kg/L)
Tensile Strength, 7-day (ASTM C307)	2,600 psi (17.9 MPa)
Compressive Strength (ASTM C579)	6,000 psi (41.4 MPa) after 12 hours at 70°F 11,000 psi (75.9 MPa) after 24 hours at 70°F 14,000 psi (96.5 MPa) after 28 days at 70°F
Absorption (ASTM C413)	0.03%
Temperature Resistance	170°F (76°C) continuous exposure 190°F (88°C) intermittent exposure
Adhesion to Concrete (ASTM C321)	Greater than strength of concrete
Linear Shrinkage, 14-day (ASTM C531)	0.05%
Flexural Strength, 28-day (ASTM C580)	4,200 psi (28.9 MPa)
Modulus of Elasticity (ASTM C580)	1.6 x 10 ⁶ psi (1.1 x 10 ⁴ MPa)
Coefficient of Expansion (ASTM C531)	2.7 x 10 ⁻⁵ /°F
Working Time / Setting Time at 70°F	30-45 minutes / 2½ - 3½ hours

ESTIMATING/PACKAGING THEORETICAL QUANTITIES – NO OVERAGE ALLOWANCE

PRODUCT	CODE	PACKAGING	COVERAGE*
6710 Resin Gray	19592	40 lb (4 gal) pail resin	A 313 lb unit consists of 1 x 40 lb pail resin, 1 x 21 lb can hardener, and 6 x 42 lb bags filler. A unit will cover 254 sf at 1/8 in. thickness.
6711 Hardener	19595	21 lb (2.5 gal) can	
Sprayable Epoxy Filler	19706	42 lb bag filler	

*Theoretical coverage only, does not include allowance for pail loss, surface irregularities, and typical overage allowance.

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 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. For all Terms and Conditions of Sale see ergonarmor.com.

