



PRODUCT INFORMATION

CE-272
04/20 Supersedes 10/18

PENNTROWEL™ N13 SURFACER

DESCRIPTION

PENNTROWEL N13 Surfacers is a heavy-duty, trowel applied floor topping and concrete repair mortar featuring high functional novolac epoxy resin and a dense blend of fillers. As a resinous flooring system, it is applied over PENNTROWEL Epoxy Primer (CE-139) at 1/4-inch for low to high traffic areas and at 3/8-inch for severe impact or thermal shock areas. It is hard, dense, abrasion resistant, and withstands a range of acids, alkalis and solvents. Though no topcoat is required over PENNTROWEL N13 Surfacers, PENNCOAT™ 227 Lining may be used as a topcoat for a smoother, glossier finish or to add more texture. Consult your ErgonArmor representative for specification guidance. Consult ErgonArmor specification CES-310 for complete installation details.

AREAS OF USE

- Flooring exposed to chemicals, traffic, impact, abrasion or thermal cycling
- Chemical storage areas, mix stations and tank farms
- Truck unloading pads
- Concrete floor repair and resurfacing

OUTSTANDING FEATURES

- Supplied in conveniently proportioned, easy-to-mix kits
- Easy to trowel by hand or power trowel
- Outstanding chemical resistance
- Resists thermal shock
- Excellent resistance to mechanical abuse

TYPICAL PHYSICAL PROPERTIES

PROPERTY	PENNTROWEL N13 SURFACER
Color	Gray
Wet density	120 lbs/cu ft (1,922 kg/m ³)
Compressive strength, 1-day 28-day (ASTM C579)	10,000 psi (68.9 MPa) 12,800 psi (88.3 MPa)
Flexural strength, 28-day (ASTM C580)	2,800 psi (19.3 MPa)
Tensile strength, 7-day (ASTM C307)	2,100 psi (14.5 MPa)
Bond to concrete (ASTM C321)	Exceeds tensile strength of the concrete
Water absorption (ASTM C413)	0.3%
Coefficient of thermal expansion (ASTM C531)	1.4 x 10 ⁻⁵ /°F
Shrinkage (ASTM C531)	0.07%
Work life / Initial set time at 70°F	30-45 minutes /3.5-4 hours

ESTIMATING/PACKAGING THEORETICAL QUANTITIES – NO OVERAGE ALLOWANCE

PRODUCT	CODE	PACKAGING	COVERAGE*
Penntrowel Epoxy Primer	19676	4 x1 gal units/case	700 sf/case (175 sf/gal) at 9 mils WFT
6710 Resin	19591 19592	4 x 7.8 lb (0.8 gal) cans/case 40 lb (4 gal) pail	A 360 lb unit consists of 1 case (4 x 7.8 lb) resin, 1 case (4 x 4.0 lb) hardener and 4 x 78 lb bags filler and will cover 144 sf at 1/4 in. thickness or 96 sf at 3/8 in. thickness.
6711 Hardener	19593 19595	4 x 4.0 lb (0.5 gal) cans/case 21 lb (2.5 gal) can	
Floor Surfacers Filler	19516	78 lb bag	
For vertical surfaces substitute Penntrowel L/F Filler-Silica for Floor Surfacers Filler			
Penntrowel L/F Filler-Silica	19642	55 lb bag	A 157 lb unit consists of 1 case resin, 1 case hardener and 2 x 55 lb bags L/F Filler, and covers 267 sf at 1/16 in. thickness, or 133 sf at 1/8 in. thickness.

*Coverages are theoretical and do not allow for surface irregularity, pail loss and normal overage allowances.

SAFETY PRECAUTIONS / DISCALIMER

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.



ErgonArmor
TECHNICAL COATING SOLUTIONS™

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