



PRODUCT INFORMATION

CE-294a
04/20 Supersedes 10/18

PENNTROWEL™ NOVOLAC SB/SBR FLOORING SYSTEMS

DESCRIPTION

PENNTROWEL Novolac SB and SBR Flooring Systems are high functional novolac epoxy slurry-broadcast resinous flooring systems that feature customizable thickness and surface texture to strike the right balance between traction and durability. Ranging in thicknesses from 3/16-inch to 3/8-inch or more, these systems offer fast installation on old or new concrete floors exposed to very demanding chemical service. For added durability or crack-bridging, choose PENNTROWEL Novolac SBR Flooring System with chopped strand fiberglass mat in the primer layer. Topcoat with low permeability PENNCOAT or NOVOCOAT Linings to extend service life or refine the surface texture. Consult ErgonArmor specification CES-283 for complete installation details.

AREAS OF USE

- Secondary Containments
- Truck Unloading Pads
- Non-Slip Surfacing
- Waste Treatment Plants
- Chemical Process Areas
- Tank Farms
- Beverage & Food Plants
- Chemical Storage Areas

OUTSTANDING FEATURES

- Achieves 3/16 in. or 1/4 in. build in a single pass without multiple seeding steps
- Resistant to a wide range of dilute acids, alkalis, solvents, and salt solutions
- Excellent bond to properly prepared and primed concrete substrates
- High flexural strength
- Very low absorption
- Slurry/broadcast installation method results in fast installation rate

TYPICAL PHYSICAL PROPERTIES

PROPERTY	PENNTROWEL Novolac SB Flooring System
Color	Gray. Custom colors available
Wet density of slurry mix	115 lb/ft ³ (1.84 kg/L)
Compressive Strength (ASTM C579)	>10,000 psi
Flexural Strength (ASTM C580)	>2,500 psi
Coefficient of Expansion (ASTM C531)	14 x 10 ⁻⁶ /°F
Water Absorption (ASTM C413)	<0.1%
Temperature Resistance - splash & spill	220°F. Consult ErgonArmor for specific applications
Slurry Mix Ratio Resin: Hardener: Filler Topcoat Mix Ratio – Resin: Hardener	By weight – 1.0: 0.52: 5.0 By volume - 1.6: 1.0: 4.0 By weight – 1.0: 0.52 By volume - 1.6: 1.0

ESTIMATING/PACKAGING THEORETICAL QUANTITIES – NO OVERAGE ALLOWANCE

STEP	PRODUCT	CODE	PACKAGING	COVERAGE*
Primer	Penntrowel Epoxy Primer	19676	4 x 1 gal units	700 sf per 4 gal case at 9 mils WFT
Slurry/Broadcast layer	6710 Resin Gray 6711 Hardener TUFICHEM™ Grout Filler	19592 19595 21931	40 lb pail (1 x 4 gal) 21 lb j can (1 x 2.5 gal) 60 lb bag (5 needed) 361 lb unit	145 sf per 361 lb unit at 1/4 in. thickness. 195 sf per 361 lb unit at 3/16 in. thickness
Broadcast sand	20-40 sand or equal	27468	50 lb bag	0.6 – 1.0 lb per sf
Top coat	6710 Resin Gray 6711 Hardener	19592 19595	40 lb pail (1 x 4 gal) 21 lb j can (1 x 2.5 gal)	1300 sf per 6.5 gal unit at 8 mils WFT
FOR SBR (REINFORCED) VERSION, INSERT THE FOLLOWING INTO PRIMER LAYER				
Reinforcement	1 oz. chopped mat	19639	50 in. x 125 yd roll	1500 sf per roll
Saturant for reinforcement	Penntrowel Epoxy Primer	19676	4 x 1 gal units	50 sf per gal at 32 mils WFT

*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.

