

CE-163 Page 1 of 2 Thinset[™] Novolac Adhesive - Silica

CELECTION & CDECIEICATION DATA

SELECTION & SPECIFICATION DATA		INSTALLATION GUIDANCE			
Туре	Novolac epoxy tile adhesive	Reference Specifications	flooring using t	ation of chemical he bricklayer's m nd direct bond te	nethod of
Description	Thinset Novolac Adhesive - Silica is a 100% solids, 3-component silica-filled novolac epoxy tile and floor paver adhesive.		CES-309 Install	ation of corrosion the tile setter's n	n-resistant
Uses	 High strength bonding adhesive for tile, ceramic, brick, pavers, masonry and steel plates in food, beverage, pharmaceutical and chemical process areas subject to: Severe impact Thermal shock Strong sulfuric acid Strong caustic soda Exceptional adhesive bond strength 	Installation Conditions	Thinset Novola for ideal handli substrate shoul temperature pr temperature sh 90°F (32°C) dur installation tem 50°F (10°C), sub	ing installation an peratures betwe pstitute Epoxy Co	a is formulated Materials and to the air n, and the air n 50°F (10°C) and nd cure. For een 35°F (2°C) and
Features	 Superior resistance to strong acids, alkalis and solvents Enhances thermal shock resistance of bonded tile and pavers Low odor Excellent handling Damp surface tolerant 	Ratio	be clean, dry ar For installation and 90°F (32°C) following mix r 1.0 resin: 0.51 h	nd neutral pH. temperatures be , use 6711 Harde	etween 50°F (10°C) ener at the r by weight
Limitations	 Not suitable for vertical wall tile applications. Consult with ErgonArmor for wall tile applications. Not for use beyond its chemical resistance or thermal capabilities. Consult ErgonArmor with specific questions. 		For installation and 50°F (10°C) at the following 1.0 resin: 0.16 h	temperatures be , use Epoxy Cold	etween 35°F (2°C) Room Hardener r by weight
		Mixing	Pour measured quantity of resin into clean, dry mixing vessel. Slowly add measured quantity of hardener to resin and mix thoroughly. After liquids are mixed completely, add filler and mix until filler is thoroughly wetted and adhesive is creamy, free of lumps and trowelable.		
		Work Life	larger volume o	at 70°F (21°C). rter at higher ten of mixed materia e than a smaller	I will have a
		Cleanup	Xylene or methyl ethyl ketone (MEK)		
		<u>CURE TIME</u>	<u>E TIME</u>		
		Brick or Tile Temperature	Initial Set	Heavy Traffic	Full Cure
		70°F (21°C)	4-6 hours	36 hours	7 days



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PACKAGING & ESTIMATING

Product	Code	Packaging
6710 Resin Gray	19591	4 x 7.8 lb (0.8 gal) can case
6711 Hardener	19593	4 x 4.0 lb (0.5 gal) can case
Thinset Filler	19697	48 lb (21.8 kg) bag
Epoxy Cold Room Hardener	29447	2.5-gal (9.5 L) 20 lb (9.1 kg) jerrycan

A 143 lb (1.3 ft³) unit consists of 1 case of resin, 1 case of 6711 Hardener, and 2 x 48 lb bags of filler.

When using Epoxy Cold Room Hardener, 111 lb (1 ft³) of mixed material consists of 1 case of resin, 5 lb of Epoxy Cold Room Hardener and 75 lb of filler.

Theoretical Coverage	A 143 lb unit will cover 125 sf (11.6 m ²) at 1/8-inch (3.2 mm) or 150 sf (13.9 m ²) at 3/32-inch (2.4 mm) thickness.		
	111 lb of Thinset Novolac Adhesive - Silica with Epoxy Cold Room Hardener will cover 96 sf (8.9 m ²) at 1/8-inch (3.2 mm) or 120 sf (11 m ²) at 3/32- inch (2.4 mm) thickness.		
	Allow for loss in mixing and use.		
Storage & Shelf Life	Maintain products in original packaging and sealed until ready for use. Estimated shelf life is 12 months when stored in a dry area at 70°F (21°C). Actual shelf life may vary with storage conditions.		
	If there is any question with respect to the quality of the components, check reactivity prior to use. For assistance consult with ErgonArmor.		
<u>SAFETY</u>			
Safety	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.		
Ventilation	Provide thorough air circulation during and after application until the material has cured when used in enclosed areas.		

TYPICAL PHYSICAL PROPERTIES

Property

Color Density, ASTM C138 Compressive strength, ASTM C306 24-hour 28-day Tensile strength, 7-day, ASTM C307

Flexural strength, 7-day, ASTM C453

Bond to fully vitrified tile

Adhesion to concrete

Water absorption, ASTM C413

Service temperature at bond line under tile

Typical Value

Gray 110 lb/ft³ (1,629 kg/m³) >6,000 psi (41.4 MPa) >12,000 psi (82.8 MPa) >2,500 psi (17.2 MPa) >4,500 psi (31 MPa) >2,000 psi (13.8 MPa) > strength of concrete <0.15% 190°F (88°C)

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