

Epoxy Cold Room Hardener

SELECTION & SPECIFICATION DATA

Type	Cold temperature epoxy hardener
Description	Epoxy Cold Room Hardener is a modified amine curative designed for use with Penncoat™, Penntrowel™, Thinset™, and Tufchem™ epoxy resins at application temperatures between 35°F (2°C) and 50°F (10°C).
Uses	<p>Cold temperature hardener for the following epoxy resins:</p> <ul style="list-style-type: none"> • Penncoat 221 Resin • Penncoat 227 Resin • Penntrowel 250 Resin • Penntrowel Epoxy Resin • Penntrowel Epoxy Primer Resin • 6710 Resin • Thinset Resin • Tufchem Epoxy Resin
Features	<ul style="list-style-type: none"> • Easy-to-measure mix ratios • Expands use of compatible resins to 35°F (2°C) to 50°F (10°C) application temperatures • Meets or exceeds chemical resistance performance of replaced, standard hardener
Limitations	<ul style="list-style-type: none"> • All resins, including Penntrowel Epoxy Primer Resin and Penntrowel 250 Resin, hardened with this curative are not moisture/damp surface tolerant during application or cure. • Uncured products using this hardener are not 100% solids and contain VOC's.

INSTALLATION GUIDANCE

Reference Specifications	Refer to product data sheet and installation specification for specific system.		
Installation Conditions	Epoxy Cold Room Hardener is formulated for use at temperatures between 35°F (2°C) and 50°F (10°C). Substrate must be dry during application.		
Mix Ratio	Part A Resin	Mix ratio by volume	Mix ratio by weight
	Penncoat 221 Resin	8: 1	1: 0.10
	Penncoat 227 Resin	6: 1	1: 0.13
	Penntrowel 250 Resin	5: 1	1: 0.16
	Penntrowel Epoxy Resin	5: 1	1: 0.16
	Penntrowel Epoxy Primer Resin	5: 1	1: 0.16
	6710 Resin	5: 1	1: 0.16
	Thinset Resin	5: 1	1: 0.16
	Tufchem Epoxy Resin	5: 1	1: 0.16

Mixing Add hardener to resin and mix thoroughly until fully dispersed and uniform.

Cleanup Mineral spirits

CURE TIME

Generally, when the resin is mixed with Epoxy Cold Room Hardener, the work life and set time at 50°F (10°C) will be close to the work life and set time at 70°F (21°C) had it been mixed with the replaced, standard hardener. Consult ErgonArmor for guidance.

SAFETY

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.

PACKAGING & ESTIMATING

Product	Code	Packaging
Epoxy Cold Room Hardener	29447	2.5-gal (9.5 L) 20 lb (9.1 kg) jerrycan
Theoretical Coverage	Consult the product data sheet for the specific system for theoretical coverage information. Most resins require less volume of Epoxy Cold Room Hardener than standard hardener; therefore, coverage per pail of resin will be reduced when mixed with Epoxy Cold Room Hardener. For 3-component systems using Epoxy Cold Room Hardener, weight of filler required per pail of resin will also be reduced. Consult ErgonArmor for guidance.	
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.	

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