

CE-159
11/13 Supersedes 11/02

EPOXY COLD ROOM HARDENER

DESCRIPTION

Epoxy Cold Room Hardener is a modified amine curing agent that can be used with all Corrosion Engineering epoxy resins at cold temperatures. The ideal temperature range for the use of this product is 35 - 50°F (2 - 10°C). Epoxy Cold Room Hardener provides each system in which it is used with the same degree of chemical resistance as the system's original curing agent. **Consult Corrosion Engineering specification [CES-342](#) for complete mixing and installation details.**

AREAS OF USE

Epoxy Cold Room Hardener can be mixed with various Corrosion Engineering epoxy resin systems. It is used IN PLACE of a product's primary curing agent. Ideally, this hardener is used to cure Corrosion Engineering epoxy resins at cool or cold temperatures. Cold Room Hardener should not be used at temperatures above 77°F (25°C) due to its high reactivity. Mix ratios are very consistent for each Corrosion Engineering epoxy resin. Epoxy Cold Room Hardener is somewhat sensitive to surface moisture. Ensure that surfaces are dry before use. If this hardener is used in humid or damp conditions, "blushing" (surface stickiness) may occur upon cure. This blush can be removed easily with warm water or a solution of soap and warm water AFTER the coat/lining has cured. It will not affect the performance of the cured system.

OUTSTANDING FEATURES

- Convenient mix ratios with all Corrosion Engineering epoxy resins.
- Can be used at temperatures as low as 35°F (2°C).
- Maintains or exceeds the excellent chemical resistance of original system.
- Does not require other curing agents or accelerants.

MIX RATIOS

| RESIN | Mix Ratio By Volume (Resin:Hardener) | Mix Ratio By Weight (Resin:Hardener) | Recommended Use Temperature Range |
|--|---|---|-----------------------------------|
| PENNTROWEL® Epoxy Resin - Gray | 5:1 | 1:0.16 | 35-50 ° F (2-10 ° C) |
| PENNTROWEL® Epoxy Primer Resin** | 5:1 | 1:0.16 | 35-60 ° F (2-15 ° C) |
| THINSET® Epoxy Resin | 5:1 | 1:0.16 | 35-50 ° F (2-10 ° C) |
| 6710 Resin | 5:1 | 1:0.16 | 35-50 ° F (2-10 ° C) |
| TUFCEM® Epoxy Resin | 5:1 | 1:0.16 | 35-60 ° F (2-15 ° C) |
| PENNTROWEL® 250 Resin** | 5:1 | 1:0.16 | 35-50 ° F (2-10 ° C) |
| PENNTROWEL® Water Cleanable Epoxy Resin* | 5:1 | 1:0.16 | 35-50 ° F (2-10 ° C) |
| PENNCOAT® 210 Resin | 8:1 | 1:0.10 | Consult CED |
| PENNCOAT® 227 Resin | 6:1 | 1:0.13 | Consult CED |
| PENNCOAT® 221 Resin | 8:1 | 1:0.10 | Consult CED |

NOTES: *Bricks/Tile must be waxed when this hardener is used in PENNTROWEL Water Cleanable Epoxy Grout. ** PENNTROWEL Epoxy Primer and PENNTROWEL 250 systems do not exhibit moisture tolerant capabilities when Epoxy Cold Room Hardener is used.

ESTIMATING/PACKAGING THEORETICAL QUANTITIES – NO OVERAGE ALLOWANCE

| COMPONENT | CODE | PACKAGE SIZE | COVERAGE |
|--------------------------|-------|--------------------------------------|---|
| Epoxy Cold Room Hardener | 29447 | 2.5 Gal (9.5 L) 20 Lb (9.1 Kg) J-Can | Consult data sheets of individual systems for coverage information. For systems requiring a filler, the use of this hardener may result in the need to reduce the specified amount of filler. |

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 [material 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.



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