

**CE-280**  
**12/13 Supersedes 07/12**

# **PENNTROWEL<sup>®</sup> WATER CLEANABLE EPOXY WALL GROUT**

## **DESCRIPTION**

PENNTROWEL Water Cleanable Epoxy Wall Grout is a chemically resistant epoxy based grout designed as a tile grout where superior chemical resistance is required. It is ideal for both new construction and quick maintenance/repair projects. PENNTROWEL Water Cleanable Epoxy Wall Grout meets or exceeds ANSI Specification A 118.3 for Chemical Resistant Water Cleanable Tile Setting and Grout Epoxy. It also meets ASTM C-658 Specification for Chemical Resistant Resinous Epoxy Grouts. **Consult Corrosion Engineering specification [CES-309](#) for complete installation details.**

## **AREAS OF USE**

Applications include vertical (wall) areas that require acid, alkali and solvent resistant joints such as: dairies, bakeries, bottling plants, distilleries, pharmaceutical, and other food processing plants. Also, many commercial applications such as cafeterias and institutional kitchens which require chemically resistant tile grouts.

## **OUTSTANDING FEATURES**

- USDA approved for use in federally inspected dairy, meat, juice and other food processing facilities.
- Cleans easily with water during installation - will not stain or smear faces of brick or tile. No waxing of tile face required for clean up.
- Resists steam cleaning and intermittent temperatures up to 220°F (104°C).
- Excellent physical properties - forms strong adhesive bond that is extremely durable.
- Excellent chemical resistance - to many acids, alkalis, solvents, cleaning agents, oils, fats and grease.

**TYPICAL PHYSICAL PROPERTIES**

PROPERTY	PENNTROWEL Water Cleanable Epoxy Wall Grout
Color	Various resin color options
Density	110 lbs./cu. ft. (1490 kg/m <sup>3</sup> )
Compressive Strength (ASTM C579)	15,000 psi (103.3 MPa) 28 days @ 70°F (21°C)
Tensile Strength (ASTM C307)	2,200 psi (15.1 MPa)
Flexural Strength (ASTM C580)	4,000 psi (27.5 MPa)
Shear Bond Strength (ANSI 118.3)	1,390 psi 7 days (9.6 MPa)
Shrinkage (ASTM C-351)	0.1% max.
Water absorption (ASTM C-413)	0.23%
Coefficient of Expansion (ASTM C-531)	2.4 x 10 <sup>-5</sup> in/in/°F (4.3 x 10 <sup>-5</sup> cm/cm/°C)
Adhesion to Concrete (ASTM C-321)	Greater than strength of concrete
Cleanability Time (ANSI 118.3)	95 minutes

**ESTIMATING/PACKAGING THEORETICAL QUANTITIES – NO OVERAGE ALLOWANCE**

PRODUCT	CODE	PACKAGING	MIX RATIO
PT WC Grout Resin	29428	4 x 0.75 gal (7.1 lb) cans/case	25 lbs Filler per 1 can Resin + 1 can Hardener  Coverage per mixed unit will vary with tile size and joint depth.
PENNTROWEL WC Grout Hardener	29429	4 x 0.25 gal (2.0 lb) cans/case	
PT L/F Filler Silica	19642	55 lb bag	Consult Corrosion Engineering for specific details.

**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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