

*CE-130
11/13 Supersedes 09/06*

FURALAC[™] RED PANEL GROUT

DESCRIPTION

FURALAC Red Panel Grout is a chemically-resistant, polyfurfuryl alcohol based floor grout used for the tile-setters method of construction. It is widely used as a side jointing grout mix for acid proof tile and floor paver construction. It consists of a thermosetting furan resin solution that is mixed just prior to use with inert fillers containing an acid setting agent. **For complete installation details, consult Corrosion Engineering installation specification [CES-309](#).**

AREAS OF USE

FURALAC Red Panel Grout is ideal for use in the installation of corrosion-resistant tile floors in areas which are often subjected to strong acid and alkali cleaners. It withstands a wide range of chemicals that are typically found in chemical process and food processing facilities. FURALAC Red Panel Grout can withstand temperatures to 350°F, and floor systems designed with it are ideal for use in environments where steam cleaning is required and trowel applied monolithics will not perform. Tile top surface should be waxed before grouting, to allow for removal of grout film.

OUTSTANDING FEATURES

- Chemical resistance - FURALAC Red Panel Grout resists non-oxidizing inorganic acids, organic acids, bases, esters, alkalis, oils, grease, solvents, water and steam up to 350°F (177°C). Consult chemical resistance guide CER-122 for full details.
- Rugged - provides an excellent bond to ceramic materials. It has good abrasion resistance.
- Designed for optimum pot life and setting time as a tile grouting mix for exacting corrosion-resistant construction. It is ideal where fast setting time is required in acid brick construction.
- Shelf life - stable in storage up to one year when stored dry at 70°F (21°C). It will not freeze in winter or be damaged by short exposures to summer heat.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	FURALAC Red Panel Grout
Working Life/ Initial Set Time (@70°F)	25 minutes / 40 minutes
Full Cure Time (for maximum chemical resistance)	7 days
Grout Mortar Density	82 lbs/cu.ft. (1314 kg / m ³)
Tensile Strength (ASTM C-307)	700 psi (4.82 MPa)
Compressive Strength (ASTM C-306)	6000 psi (41.3 MPa)
Flexural Strength (ASTM C-453)	1000 psi (6.89 MPa)
Adhesion to Wire Cut Brick (ASTM C-321)	752 psi (5.18 MPa)
Water Absorption (ASTM C-413)	0.5 % by weight
Coefficient of Expansion (ASTM C-531)	13 x 10 ⁻⁶ in/in/°F (23.4 x 10 ⁻⁶ cm/cm/°C)

ESTIMATING/PACKAGING THEORETICAL QUANTITIES – NO OVERAGE ALLOWANCE

PRODUCT	CODE	PACKAGING	MIX RATIO
FURALAC Green Panel Powder	29556	44 lb (20 kg) bag	1.5:1 by weight (powder to resin). A 220 lb (2.68 cu ft) unit consists of 3 x 44 lb bags powder, and 2 x 44 lb pails resin. For smaller projects, partial units may be ordered.
FURALAC Resin	29557	44 lb (20 kg) pail	
F/P Mortar Accelerator** (for low temperatures)	22179	45 lb pail	For usage rates for specific masonry units, consult Corrosion Engineering estimating guide CE-145
			20-25 parts liquid FURALAC Resin to 1 part F/P Accelerator by weight (4-5% of resin). 1 pail is sufficient for 20-25 pails of resin.
<p>**NOTE: Mix Resin and Powder before adding Accelerator. <u>DO NOT</u> add F/P Accelerator direct to Resin as this may result in a violent reaction.</p>			

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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