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EUCOPOXY LT MORTAR

◆ ◆ ◆ ◆ ◆ LOW TEMPERATURE EPOXY MORTAR

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EUCOPOXY LT MORTAR is a three component 100% solids epoxy mortar system. It is designed for overlayments and repairs on concrete surfaces in low temperature environments, where standard epoxy systems will cure slowly or not at all. EUCOPOXY LT MORTAR is produced in two formulations for different temperature ranges. Formula 26-40 is designed for the temperature range 26^o to 40^oF (-3^o to 4^oC). Formula 0-25 is designed for use at temperatures from 0^o to 25^oF (-18^o to -4^oC).

PRIMARY APPLICATIONS

- Cold storage facilities
- Freezer floors
- Cold weather concrete repairs
- Chemical attack areas
- Quick anchor installation

FEATURES /BENEFITS

- Specially designed to cure at temperatures as low as 0^oF (-18^oC)
- Good chemical resistance
- Excellent impact and wear resistance
- Fast curing for quick turnaround time
- U.S.D.A. approved
- Solvent free, V.O.C. compliant-100% solids

STANDARD COLORS

- Formula 26-40 is available in Natural, Concrete Gray or Tile Red
- Formula 0-25 is available in Natural

PACKAGING / YIELD

Formula 26-40 is packaged in a 60 lb (27 kg) kit that yields 0.50 ft³ (0.014 m³) and will cover 24 ft² (2.2 m²) at 1/4" (6 mm).

Formula 0-25 is packaged in a kit that yields 0.125 ft³ (0.0035 m²) and will cover 6 ft² (0.56 m²) at 1/4" (6 mm).

Part C, the aggregate, is packaged in each unit by weight.

Shelf life in original unopened package is 2 years.

TECHNICAL INFORMATION

Typical Engineering Data

The following information was developed under laboratory conditions.

Pot Life

<u>Air temperature</u>	<u>Formula 26-40</u>	<u>Formula 0-25</u>
0 ^o F (-18 ^o C)	N/A	7-10 minutes
40 ^o F (4 ^o C)	30-40 minutes	3-5 minutes
70 ^o F (21 ^o C)	10-15 minutes	1-5 minutes

<u>Cure schedule:</u>	<u>30^oF (-1^oC)</u>	<u>0^oF (-18^oC)</u>
Traffic:	24 hours	2-4 hours
Full cure:	3-7 days	1-3 days

The following tests were run at 70^oF (21^oC)

Formula 26-40

Compressive Strength

ASTM D 695 7,500 psi (52 MPa)

Tensile Strength

ASTM D 638 6,000 psi (41 MPa)

Flexural Strength

ASTM D 790 9,000 psi (62 MPa)

Elongation

ASTM D 638 7.3%

Formula 0-25

Compressive Strength

ASTM D 695 10,000 psi (69 MPa)

Tensile Strength

ASTM D 638 8,000 psi (55 MPa)

Flexural Strength

ASTM D 790 13,000 psi (90 MPa)

Elongation

ASTM D 638 3.4%

DIRECTIONS FOR USE

Surface Preparation-New concrete must be a minimum of 28 days old and possess an open surface texture with all curing compounds and sealers removed. Old concrete must be clean and rough. All oil, dirt, debris, paint and unsound concrete must be removed. The surface must be prepared mechanically using a scabber, bushhammer, shotblast or scarifier which will give a surface profile of a minimum 1/8" (3mm) and expose the large aggregate of the concrete. The final step in cleaning should be the complete removal of all residue with a vacuum cleaner or pressure washing.

Joints and Edges-Edges should be sawcut to 1/4" (6 mm) more than the overlay thickness and notched at the edge of the overlay to provide a locked in edge. Chip the edge with a hand held chipping hammer to provide the wedge shaped notch. Moving joints as in the case of expansion joints should be brought up through the overlay by sawcutting or with the use of a divider strip. All cracks over 1/16" (2 mm) wide should be routed out to a 1/4" (6 mm) width and 1/4" (6 mm) depth prior to application of the mortar.

Mixing-All materials should be in the proper temperature range of 60°F (16°C) to 90°F (32°C). Mix parts A and B (resin & hardener) for 2 minutes using a drill and mixing prop. For ease of mixing, add the part B to the part A (not the reverse). The epoxy must be well mixed to ensure proper chemical reaction. Add part C (aggregate). Mix for an additional 2 minutes or until all aggregate is completely covered by the epoxy.

Place immediately.

Placement-Discharge material from mixer and place on to floor. For patching, spread with a trowel, come-a-long, or square tipped shovel to a thickness of about 1/8" (3 mm) higher than the final desired height of the overlay.

Compact and finish by hand or machine trowel.

Note:Material must be placed quickly due to extremely short pot life.

CLEAN-UP

Clean tools and equipment with solvent such as EUCO SOLVENT , xylene, xylol, toluene or MEK. Do not allow the epoxy to harden on equipment.

PRECAUTIONS / LIMITATIONS

- Interior use only.
- Not recommended in areas where the floor temperature exceeds 150°F (66°C) on a continual basis.
- Keep at room temperature 60-70°F (16-21°C) 24 hours prior to use.

Form Eucoepoxy LT Mortar-5.97

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