

Selection & Specification Data

Generic Type : Three-component epoxy Patching Compound

General Properties : DUOFILL is a conveniently pre-packaged three- component compound, consisting of water base epoxy resin and hardener, and a dry pre-mixed blend of Portland cement and graded silica aggregates.

All materials are pre-measured for ease of application.

- Pre-packaged and convenient to use
- Moisture non sensitive
- High physical properties
- Excellent chemical resistance
- Dense watertight finish
- Thermal shock resistant
- Versatile: can be used as a patching compound, grout or as a flooring system in area of medium to heavy traffic

Recommended uses : This system is designed as a patching compound, as a grout or as a floor topping.

Not Recommended for : Not recommended for long-term exposure to concentrated acids and organic solvents.

Application Instructions

Surface Preparations : Substrate must be clean and free of all contaminants.

Application

Mixing Ratio (by volume)

Primer = patching compound binder :

PART A : PART B = 1.24 : 2.76

Mixing aggregates :

PART A : PART B : PART C = 1.24 : 2.76 : 9.0

Stir part A and B separately, then mix B part into A container, and slowly add the aggregates. Mix thoroughly until uniform. Using a trowel, apply at required thickness and let dry.

Precautions

- Consult Material Safety Data Sheet prior to use.
- Expect longer curing time when applied at temperatures below 13°C (55°F).
- Ensure proper ventilation.

Technical Information

Color : Concrete grey

Solids content :

by volume 79% ± 2

Pot Life : 1 hour at 75°F (24°C) and less at higher temperatures. Immediately use material to obtain longest working time.

Recommended primer : Self-priming on humid surface.

Use DUOFILL resin alone on dry, porous surface.

Application method : Trowel

Theoretical Coverage Per Mixed Gallon :

10.6 sq. ft. at 120 mils (0.26 sq. m/l at 3 mm)

* Mixing and application will vary and must be taken into consideration when estimating job requirements.

Recoat time : at 24 °C (75°F)

Minimum 24 hours for epoxy topping and coating, and 48 hours for urethane membrane and system.

Curing time : Full cure 7 days at 24 °C (75°F)

Thinning solvent : Not recommended. Use water If needed

Shelf life : 1 year in original unopened container

Cleaning solvent : Carboline Thinner #15 or water

Caution : Read and follow all caution statements on This product data sheet and on the material safety Data sheets for this product.

July 2013 replaces November 2011

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APPLICATION INSTRUCTIONS

Physical Properties

PROPERTIES	TEST METHODS	RESULTS
Compressive Strength (28 days)	ASTM C-109	47.4 Mpa
Tensile Strength (28 days)	ASTM C-190	6.78 Mpa
Flexural strength (28 days)	ASTM C-348	14.95 Mpa
Impact Resistance (28 days)	ASTM D-2444	29.3 J/M
Adhesion to concrete	Dynamometer	Failure in substrate at 2.53 MPa
Abrasion Resistance	ASTM D-4060 TABER ABRADER CS-17 WHEELS 1,000 CYCLES 1,000G LOAD	0.090 g loss



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