GROUTS

Master Format #: 03 63 00

E³-FLOWABLE

HIGH FLOW EPOXY GROUT WITH DL TECHNOLOGY™ AGGREGATE

EUCLID CHEMICAL

PACKAGING

1.53 ft³ (0.043 m³) kit (1 pail, 5 bags)
Code: 040F 10

1.35 ft³ (0.038 m³) kit (1 pail, 4 bags)
Code: 040F 13

0.30 ft³ (0.008 m³) kit (1 pail)
Code: 040F 5

APPROXIMATE YIELD

1.53 ft³ (0.043 m³) kit (Standard): One 5 gallon pail containing both part A (resin) and B (hardener), and five 30 lb (13.6 kg) bags containing Part C (aggregate). Yields 1.53 ft³ (0.043 m³).

1.35 ft³ (0.038 m³) kit (High Flow): One 5 gallon pail containing both part A (resin) and B (hardener), and four 30 lb (13.6 kg) bags containing Part C (aggregate). Yields 1.35 ft³ (0.038 m³).

0.30 ft³ (0.008 m³) kit: One 6 gallon pail containing all three components. Part A resin, 4.4 lb (2 kg), Part B hardener, 5.69 lb (2.58 kg), and Part C aggregate, one 30 lb (13.6 kg) bag. Yields 0.30 ft³ (0.008 m³). A maximum of 6 lbs of aggregate can be removed from this unit to achieve the high flow mix.

CLEAN UP

Tools and mixer may be cleaned with soap and water.

SHELF LIFE

2 years in original, unopened package

DESCRIPTION

E³-FLOWABLE is a three-component, high flow, high strength, expansive epoxy grout designed for large plates and narrow configurations where flowability is critical. Additionally, our patented DL Technology™ aggregate greatly reduces the amount of dust released into the environment during mixing and handling.

PRODUCT CHARACTERISTICS

FEATURES/BENEFITS

- DL Technology™ aggregate greatly reduces dust
- Positive effective bearing
- High early strengths, fast return to service
- User friendly placing characteristics
- > 95% effective bearing
- High chemical resistance
- Clean tools with soap and water

PRIMARY APPLICATIONS

- Large or wide plates requiring precision grouting
- Machinery, equipment or structural elements needing maximum bearing support
- Rail grouting, keyways and inverted baseplates
- Narrow clearance situations including anchor bolts
- Precision alignment of generators, compressors, electric motors and pumps

TECHNICAL INFORMATION

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

Test Method	Test Property	Standard Unit	High Flow Mix
ASTM C579 2 in (50 mm) cubes Method B @ 73 °F (23 °C)	Compressive Strength	1 day . . . . 10,000 psi (69.4 MPa) 7 days . . . . 12,000 psi (83.3 MPa) 28 days. . . . 12,500 psi (86.8 MPa) Post Cure* . . . 14,500 psi (100.7 MPa)	1 day . . . . . 9,500 psi (65.5 MPa) 7 days . . . . 11,500 psi (80.0 MPa) 28 days. . . . 12,000 psi (83.3 MPa) Post Cure* . . . 13,500 psi (93.8 MPa)
ASTM C1181 400 psi (2.8 MPa) @ 140 °F (60 °C)	Compressive Creep	28 days . . . . 6.4 x 10^{-3} in/in/°F	28 days . . . . 5.8 x 10^{-3} in/in/°F
ASTM C580	Flexural Strength	1 day . . . . . 3,900 psi (27.0 MPa) 7 days . . . . . 4,000 psi (27.7 MPa) 28 days. . . . . 4,300 psi (30.0 MPa) Post Cure* . . . . 4,500 psi (31.3 MPa)	1 day . . . . . 3,500 psi (24.3 MPa) 7 days . . . . . 3,700 psi (25.7 MPa) 28 days. . . . . 3,900 psi (27.0 MPa) Post Cure* . . . . 4,000 psi (27.7 MPa)
ASTM C307	Tensile Strength	1 day . . . . . 1,500 psi (10.4 MPa) 7 days . . . . . 1,700 psi (11.8 MPa) 28 days. . . . . 1,900 psi (13.2 MPa)	1 day . . . . . 1,100 psi (7.6 MPa) 7 days . . . . . 1,500 psi (10.4 MPa) 28 days. . . . . 1,900 psi (13.2 MPa)
ASTM C882	Bond Strength	1 day . . . . . N/A 7 days . . . . . 3,000 psi (20.8 MPa) 28 days. . . . . 3,500 psi (24.3 MPa)	1 day . . . . . N/A 7 days . . . . . 2,800 psi (19.4 MPa) 28 days. . . . . 3,300 psi (23.0 MPa)
ASTM C531 7 Days	Coefficient of Thermal Expansion	16.0 x 10^{-6} (74 to 210 °F) (23 to 99 °C)	17.0 x 10^{-6} (74 to 210 °F) (23 to 99 °C)
ASTM C1339	Effective Bearing Area	> 95%	> 95%
ICRI Protocol	Working Time	95 minutes at 73 °F (23 °C)	68 minutes at 73 °F (23 °C)
ASTM D2471	Peak Exotherm	84 °F (29.3 °C) at 140 minutes	96 °F (35.0 °C) at 162 minutes
	Chemical Resistance	Excellent resistance to most industrial chemicals	
	Abrasion Resistance	Greater than concrete	

*Post Cure Procedure: Demold specimens after 24 hours; place in oven @140 °F (60°C) for 18 hours; remove from oven for 24 hours; perform test.