

SURE-GRIP HIGH FLOW EPOXY

(J-55) HIGH FLOW PRECISION EPOXY GROUT V.O.C. COMPLIANT.

PRODUCT DESCRIPTION

Sure-Grip High Flow Epoxy Grout (J-55) is a matched system of blended aggregates and premeasured 100% solids, very low exotherm epoxy resin. When mixed, the result is a nonshrink grout for supporting pumps, compressors, rotary equipment and other heavy machinery requiring a stable and energy absorbing base to maintain precision alignment. Sure-Grip High Flow Epoxy Grout (J-55) may be poured 1" to 24" (2.54cm to 60.1cm) deep in a single pour and will result in a 95% bearing area when properly installed. Sure-Grip High Flow Epoxy Grout (J-55) is user friendly and has excellent flow and long pot life.

USE

- Equipment foundations
- Damping for dynamic and vibrating loading
- Anchor bolts & sleeves
- Crane rails
- Large/deep poured section
- Harsh chemical exposures

BENEFITS

- High flow aggregate blend
- Very low exotherm/up to 24" (60.1cm) in single pour
- High impact resistance
- 95% bearing area
- Meets API-610 specification
- High operating temperature
- Superior creep resistance
- Excellent chemical resistance
- Tenacious adhesion to concrete & steel
- 3-4 Hours working time @ 72°F(22°C)

APPLICABLE STANDARDS

- Compressive strength – ASTM C-579:
 - 7 days 13,200 psi (91.0 MPa)
 - 14 days 16,300 psi (112.4 MPa)
- Compressive modulus – ASTM C-579:
 - 2,145,000 psi (14,790 MPa)
- Tensile strength – ASTM C-307:
 - 2,300 psi (15.9 MPa) @ 14 days
- Flexural strength – ASTM C-580:
 - 5,200 psi (35.8 MPa) @ 14 days
- Flexural modulus – ASTM C-580:
 - 1,780,000 psi (12,273 MPa) @ 14 days
- Bond strength – ASTM C-882:

- 3,500 psi (24.1MPa) @ 14 days
- Shear strength – ASTM D-732:
 - 1,900 psi (13.1 MPa)
- Hardness Shore – D-ASTM D-2240: 90
- Coefficient of thermal expansion –
 - ASTM C- 531: 23 x 10-6 in/in/°F;
 - ASTM D-696: 7.4 x 10-6/°C
- Pot Life – 3 hours @ 75° (24°C)

APPLICATION

Engineers and users should refer to API Specification 610, Appendix L.

Surface Preparation:

All mating surfaces for the proper bonding of grout shall be free of grease, oils, waxes, old epoxy and other impediments to adhesion. Concrete substrates shall be structurally sound, dry and should have a roughened profile to maximize adhesion. Metal surfaces should be prepared to a SSPC-SP 6 Commercial Blast Cleaning Specification.

Forming:

Use rigid form boards that have been treated to prevent adhesion. Forms must be securely anchored and liquid tight. All areas that need to prevent bonding of the epoxy should be treated with wax or other suitable form release agent.

Mixing:

Condition all components to greater than 75°F (24°C) for ease of mixing and maximum flow. Pour hardener in resin container and mix thoroughly with a low speed mixer and avoid incorporation of air. (Spring coil mixers are recommended). Pour mixed liquids into mortar mixer and add bagged materials while mixer is running. Mix for a minimum of two minutes to thoroughly wet all aggregate. Working time is approximately three to four hours at 72°F(22°C).

Placement:

Open areas may be poured directly into the cavity from a wheelbarrow or other transport. Use a head box when necessary to chase air from beneath baseplates and soleplates to maintain a hydraulic head. See AP 1610, Appendix L. Plug leaks with hydraulic cement or putty.

Refer to DaytonSuperiorChemical.com for latest Technical Data Sheet and MSDS
4226 Kansas Ave. Kansas City, KS 66106
Phone: (877) 416- 3439 • Fax: (913) 279- 4806

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Postplacement:

Final finish of the grout surface may be made before grout sets with a solvent wet trowel. Avoid overfinishing.

Clean Up

Clean all tools with xylol, toluene or Citrus Peel (J-48) before the epoxy sets. Mortar mixers may be cleaned using two bags of 1/4-3/8 pea gravel with glycol. The glycol may be used several times before disposal.

WASTE DISPOSAL

Dispose of waste material and empty packaging in accordance with all Federal, State and Local requirements. Refer to the product's MSDS for further information

PACKAGING

ITEM #	Package	Size			
		Gal	Liters	Pound	Kg
305893	pail	5	19.8		
305896	bag			60	27.2

STORAGE

Keep from freezing. Shelf life in unopened containers is 2 years from date of manufacture

LIMITATIONS

Do not thin with solvents. Product, surface and ambient temperatures must be 45°F(7°C) or above. Concrete must be 7 days old. For application with constant high temperatures above 150°F (66°C), contact Dayton Superior. Store in well ventilated area between 50° to 90°F (10° to 32°C). Resin (Part A) may crystallize if stored below 50°F (10°C). Shelf life is two years when stored unopened in original container.

Note: High temperatures will accelerate the setting time and low, cool temperatures will slow the setting time. As a general rule, the pot life of epoxy will be cut in half for each 10° to 15° increase in temperature above 75°F (24°C), the pot life will double for each 10° to 15° drop below 75°F (24°C).

PRECAUTIONS

Use with adequate ventilation. Keep out of the reach of children. Do not take internally. In case of ingestion, CALL A PHYSICIAN immediately. DO NOT induce vomiting.

Component A – Prolonged or repeated exposure may cause eye/ skin irritation. If contact occurs, wash immediately and seek medical help as needed. Wear protective clothing, gloves and goggles.

Component B – Avoid skin and eye contact. Contact with skin may cause severe burns. If skin contact occurs, wash immediately with soap and water and seek medical help as needed. If eye contact occurs, flush immediately with clean water and seek medical help as needed. Wear protective clothing, gloves, and goggles. This product may be a strong sensitizer. Avoid inhalation of vapors. Use safety glasses and wear protective rubber gloves. Read MSDS before using product.

MANUFACTURER

Dayton Superior Corporation
4226 Kansas Avenue
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Customer Service: 877-416-3439

Technical Services: 877-416-3439

Website: www.daytonsuperiorchemical.com

WARRANTY

Dayton Superior Corporation ("Dayton") warrants for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Dayton, the product is free of manufacturing defects and conforms to Dayton's product properties in force on the date of acceptance by Dayton of the order. Dayton shall only be liable under this warranty if the product has been applied, used, and stored in accordance with Dayton's instructions, especially surface preparation and installation, in force on the date of acceptance by Dayton of the order. The purchaser must examine the product when received and promptly notify Dayton in writing of any non-conformity before the product is used and no later than 30 days after such non-conformity is first discovered. If Dayton, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty. Only a Dayton officer is authorized to modify this warranty. The information in this data sheet supersedes all other sales information received by the customer during the sales process. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

LIMITATION OF LIABILITY

Dayton shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, its obligations under any contract for sale of product, even if Dayton could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this contract, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.



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10/15/07 • For Commercial/Industrial Use Only • Page 2 of 2