

**CE-183**  
**11/13 Supersedes 05/08**

### **TUFCHEM<sup>®</sup> GROUT**

#### **DESCRIPTION**

TUFCHEM Grout is a three-component, 100% solids, epoxy grouting compound. It is designed for grouting machine bases and other equipment or load bearing bases where it is vital to retain exact alignment or where vibration or shock could cause equipment to break loose from weaker grouts. It is ideal for applications which require a low shrinkage, high strength grout that is also chemically resistant. TUFCHEM Grout is authorized for use by USDA in federally inspected meat and poultry plants. **For complete installation instructions, consult Corrosion Engineering installation specification [CES-360](#).**

#### **AREAS OF USE**

TUFCHEM Grout can be used in grouting many types of reciprocating heavy equipment and/or where heavy loads, high impact, and vibrations are factors. These include:

- Anchor bolts
- Compressors
- Generators
- Pumps
- Dowels
- Ball mills
- Centrifuges
- Pedestals
- Conveyors
- Leveling blocks
- Crushers
- Building columns
- Blowers
- Forging Machines
- Mixers
- Filters
- Fans
- Milling machines
- Stamping machines
- Packaging machines
- Paper mill machines

#### **OUTSTANDING FEATURES**

- Components are proportioned for easy mixing
- Low exotherm, thus it can be poured as deeply as 12" (30 cm) in a single pour without overheating.
- High physical strength, good bond to concrete and metal surfaces
- Excellent vibration resistance
- High impact strength
- Good resistance to a wide variety of chemicals and oils.
- Excellent flowability

**TYPICAL PHYSICAL PROPERTIES**

PROPERTY	TUFCHEM GROUT
Color	Gray
Working Life (Hours)	2 hours @ 70°F (21°C)
Density (ASTM C-138)	132 lbs/cu. ft. (2.1 kg/l)
Compressive Strength (ASTM C-579) (7 days)	>15,500 psi (107 MPa)
Tensile Strength (ASTM C-190) (28 days)	>1,500 psi (10.3 MPa)
Modulus of Rupture (ASTM C-580) (28 Days)	>4,200 psi (29 MPa)
Wet Absorption, % (ASTM C-413) (28 Day cured sample 48 hour immersion)	0.33
Linear Shrinkage, % (ASTM C-531)	0.14
Coefficient of Thermal Expansion (75°F-210°F) (ASTM C-531)	22 x 10 <sup>-6</sup> /°F (39.6 x 10 <sup>-6</sup> /° C)

**ESTIMATING/PACKAGING THEORETICAL QUANTITIES – NO OVERAGE ALLOWANCE**

PRODUCT	CODE	PACKAGING	COVERAGE
TUFCHEM Epoxy Resin	21928 19704	4 X 7.8 lb (3.5 kg) cans/case 47 lb (21.3 kg) pail	A 2.09 (276 lb) cubic foot unit consists of 4 x 60 lb bags of Filler, 1 case (4 x 7.8 lb cans) Resin, and 1 case (4 x 1.3 lb cans) Hardener
TUFCHEM Epoxy Hardener	21929 19705 29554	4 x 1.3 lb (0.59 kg) cans/case 7.8 lb (3.5 kg) can 23.4 lb (10.6 kg) can	
TUFCHEM Grout Filler	21931 29553	60 lb (27 kg) bag 1080 lb (488 kg) sack	A 3.14 (414 lb) cubic foot unit consists of 6 x 60 lb bags of Filler, 1 x 47 lb pail Resin, and 1 x 7.8 lb can Hardener
THINSET® Epoxy Cold Room Hardener	19698	4 x 1.25 lb (.56 kg) cans/case (use in temperatures below 50°F/10°C)	A 9.42 (1244 lb) unit consists of 1 x 1080 lb Filler, 3 x 47 lb pails Resin, and 1 x 23.4 lb Hardener.

**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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