



Now Available in 1.5 cu.ft. units!

Sikadur[®] 42 Grout-Pak

Pre-proportioned, epoxy, baseplate grouting system



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APPLICATIONS

- ▲ Precision seating of baseplates
- ▲ Precision grouting of wind turbine tower bases requiring rapid strength gain
- ▲ Grouting under equipment, including heavy impact and vibratory machinery, reciprocating engines, compressors, pumps & presses
- ▲ Grouting for "pour-back" anchorage on post tensioning projects
- ▲ Grouting under crane rails

ADVANTAGES

- ▲ Ready to mix, pre-portioned kit
- ▲ Non-shrink
- ▲ Moisture-tolerant
- ▲ Corrosion and impact resistant
- ▲ Stress and chemical resistant
- ▲ Long working time
- ▲ High vibration resistance
- ▲ Fast strength gain
- ▲ USDA certifiable
- ▲ Low peak exothermic system for large pours
- ▲ High effective bearing area
- ▲ Excellent flowability

TYPICAL DATA

- ▲ **Application Life** 90 minutes
- ▲ **Flexural Properties (ASTM C-580)** 7 day
 - Flexural Strength (Modulus of Rupture) 4000 psi (27.6 MPa)
 - Tangent Modulus of Elasticity 1.30×10^6 psi (8,963 MPa)
- ▲ **Tensile Properties (ASTM C-307)** 7 day
 - Tensile Strength 2,300 psi (15.8 MPa)
- ▲ **Water Absorption (ASTM C-413)** 7 day (2 hour boil) 0.04%
- ▲ **Bond Strength (ASTM C-882 modified)** 7 day
 - Bond Strength to Concrete 4,200 psi (29.0 MPa)
 - Bond Strength to Concrete 3,800 psi (26.2 MPa)
- ▲ **Coefficient of Thermal Expansion (ASTM C-531)** 24.5×10^{-6} in./in./°F (13.7×10^{-6} mm/mm/°C)
- ▲ **Thermal Compatability (ASTM C-884)** passes test
- ▲ **Effective Bearing Area¹** >95%
- ▲ **Compressive Properties (ASTM C-579B)**

| | 40°F* (4°C) | 73°F* (23°C) | 90°F* (32°C) |
|---------|---------------|----------------|----------------|
| 8 hour | - | - | 5,500 (37.9) |
| 16 hour | - | 9,600 (66.2) | 9,800 (67.6) |
| 1 day | - | 12,200 (84.1) | 11,500 (79.3) |
| 3 day | 4,800 (33.1) | 14,000 (96.6) | 14,000 (96.6) |
| 7 day | 13,700 (94.5) | 14,900 (102.8) | 14,800 (102.1) |
| 14 day | 13,900 (95.9) | 15,000 (103.4) | 15,200 (104.8) |
| 28 day | 13,900 (95.9) | 15,200 (104.8) | 15,600 (107.6) |

*Material cured and tested at the temperatures indicated

¹ Percent final surface area of grout in contact with bearing plate



1. Mix the resin (A+B) with a low speed drill for 20-30 seconds. Insure that air is not entrapped during mixing.
2. Slowly add the C component to the mixed resin and mix for 3-5 minutes.
3. Drum mixer/mortar mixer or other appropriately sized mixers can be used for the 1.5 cu. ft. packaging.
4. Once mixed, pour the material into the desired place, within the application life of the material.

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Good Chemistry at Work



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