



OIL TOLERANT INJECTION GROUT

GENERAL DESCRIPTION

ALPHATEC 370 is a two-component polymer grout injection system consisting of modified epoxy resin and chemical hardener. ALPHATEC 370 is specially formulated for bonding to oil-contaminated surfaces, such as are commonly found in cracks or separations in rotating machinery foundations. It is widely used for the repair of concrete foundations for diesel engines, compressors, presses, rolling mills, rails, and any other area where oil-contamination is a problem.

FEATURES

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|---------------------------------|--|
| 1. Cures within 24 hours | 3. Also bonds well to wet concrete |
| 2. Fills cracks down to 0.05 mm | 4. Injection by the Alpha HP or LP Methods |

RESIN SYSTEM PROPERTIES

	Liquid	Hardener	Mixed
Viscosity at 23°C (cps):	1,500	250	750
Specific Gravity:	1.12	1.01	1.1
Mixing Ratio (by wt):	100	42	
Mixing Ratio (by vol):	100	50	
	Temp	Time	
Pot life in mins at:	23°C	45	
Gel Time in mins at:	23°C	70	
Working Time at:	23°C	45	

CURED PROPERTIES

[All test data at 23°C (74°F) unless otherwise stated.]	SI MPa (GPa)	Metric kg/cm²	Imperial psi
Compressive Strength (JIS K 7208):	68.6	700	9,900
Compressive Modulus (JIS K 7208):	(2.4)	24,000	341,000
Flexural Strength (JIS K 7203):	63.7	650	9,200
Tensile Strength (JIS K 7113):	49.0	500	7,100
Tensile Shear Bond Strength - to steel (JIS K 6850):	19.6	200	2,800
Compressive Shear Bond Strength - to cement mortar (JIS K 6852):	7.8	80	1,100
dry	6.9	70	1,000
wet			
Heat Deflection Temperature (JIS K 6911):		53°C	127°F

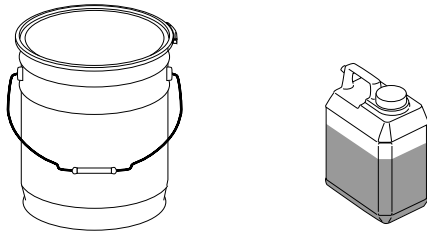
GRAPHS



PACKAGING

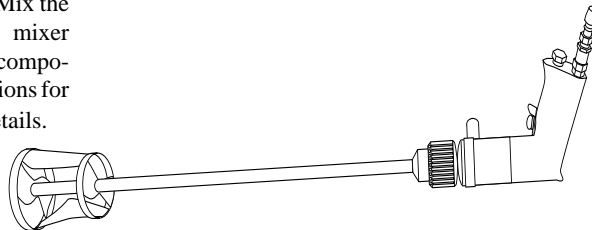
ALPHATEC 370 is packed in a unit yielding approximately 10 litres. The unit is designed for use with both plural-component pumps set to a ratio of 2 : 1, and single-component pumps, such as the Speeflo Commander pump, the Graco President, or similar equipment. Grease guns can also be used.

370 Liquid: 1 x 7.9 kg in 18 litre pail
370 Hardener: 1 x 3.3 kg in 4 litre PE bottle

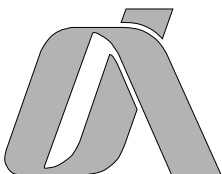


MIXING & HANDLING

When using single piston injection systems, mix only the amount which be pumped into place within the pot-life of the material. Full sets can be mixed if temperatures are moderate, and high-capacity pumping equipment is being used. Mix the liquid and hardener with a slow-speed, non-aerating mixer (illustration), and pump into place immediately. Plural component pumps have integral mixers. See "General Instructions for the Use & Handling of Polymer Grouts" for further details.



In the interests of continually upgrading and improving the product, Alphatec Engineering reserves the right to change these specifications without notice.



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