



This Bulletin supercedes all previous Product Bulletins of the same number

GENERAL PURPOSE INJECTION GROUT

GENERAL DESCRIPTION

ALPHATEC 300 is a modified epoxy resin adhesive which gives excellent bonding to many different substrates, including concrete. It is mainly used to repair stress and shrinkage cracks in concrete structures and machinery foundations. It has good thermal and mechanical shock resistance.

FEATURES

- | | |
|------------------------------------|-------------------------------|
| 1. Long pot life for easy handling | 3. 2 : 1 mixing ratio |
| 2. 24 hour cure at 30°C | 4. HP or LP injection methods |

HANDLING PROPERTIES

[All test data at 23°C (±2°C) unless otherwise stated]	Liquid	Hardener	Mixed
Viscosity (cps)	1200	30	700
Specific Gravity	1.12	0.95	1.06
Mixing Ratio (by weight)	100	43	
(by volume)	100	50	
Pot Life (mins)			120 - 150

CURED PROPERTIES

[All specimens conditioned for 7 days at 23°C, and all tests carried out at 23°C (±2°C), unless otherwise stated]	SI Units MPa (GPa)	Metric kg/cm²	Imperial psi
Compressive Strength	75	760	10,800
Tensile Strength	30	300	4,300
Flexural Strength	70	710	10,150
Tensile Bond to Blasted Steel	30	300	4,300

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MIXING & HANDLING

Pour hardener portion into the resin pail, and mix together with a slow-speed (<500 rpm) non-aerating mixer for a least 1 minute. Inject by HP grease gun or injection pump through copper tubing into the access holes or ports. Alphatec Engineering specializes in the application of this product and can be contacted at the address shown below.

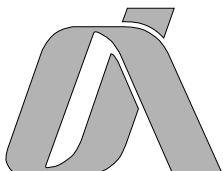
SAFETY

All ALPHATEC products are intended for industrial use, and should be used only by experienced personnel with proper equipment and training. Epoxy resins, and their hardeners, can be irritating to the skin, eyes, and respiratory passages. Always use proper protective clothing, including gloves, face masks or shields, and wash thoroughly after use. ALPHATEC 300 contains no solvents, so it has very little flammable hazard. See Material Safety Data Sheets for more information.

PACKAGING

Item	set sizes	Package Size
Alphatec 300 Liquid Alphatec 300 Hardener	1.5 litre set	1.14 kg in 1 litre PE bottle 0.48 kg in PE bottle
Alphatec 300 Liquid Alphatec 300 Hardener	10 litre set	7.5 kg in 15 litre pail 3.2 kg in PE bottle
		<i>(Other package sizes are available)</i>

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



Alphatec Holdings Pte Ltd 3 Shenton Way, Singapore.

Alphatec Holdings licenses various Alphatec Engineering group companies to manufacture these products in specific markets. Consult your local supplier for more information.