



This Bulletin supercedes all previous Product Bulletins of the same number

GENERAL DESCRIPTION

ALPHATEC 240 is a two-component epoxy putty system consisting of modified epoxy resin paste and a chemical hardener. It has good water displacing properties allowing it to bond to wet surfaces, and cure underwater. It bonds well to steel and concrete surfaces, and cures rapidly. It is used for sealing grout forms, patching concrete, patching steel tanks, setting baseplates in position, and so on.

FEATURES

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|--------------------------------------|-------------------------------|
| 1. Easy mixing & application by hand | 3. Good bond to wet surfaces |
| 2. Cures at temperatures down to 5°C | 4. Good mechanical properties |

RESIN SYSTEM PROPERTIES

	Base	Hardener	Mixed
Viscosity at 23°C (cps):	paste	paste	paste
Specific Gravity:	1.7	1.7	1.7
Mixing Ratio (by wt):	1	1	
Mixing Ratio (by vol):	1	1	
	Temp	Time	
Working Time at:	25°C	20 mins	
	15°C	40 mins	
	5°C	80 mins	

CURED PROPERTIES

[All test data at 23°C (74°F) unless otherwise stated.]	SI	Metric	Imperial
	MPa (GPa)	kg/cm²	psi
Compressive Strength (ASTM C 579 B):	58	600	8,500
Tensile Strength:	14	150	2,100
Flexural Strength:	29	300	4,250
Tensile Bond Strength (to Steel):	5.9	60	850
Slant Shear Strength (to Concrete):	10	100	1,400

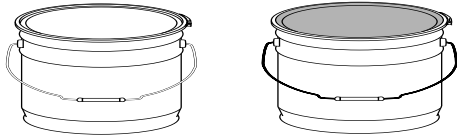
GRAPHS



PACKAGING

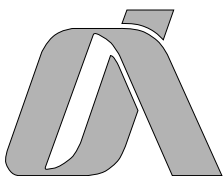
ALPHATEC 240 is packed in a 10 kg set yielding approximately 6 litres. For form sealing, allow one set per m³ of grout to be poured.

Base: 1 x 5.3 kg pail
Hardener: 1 x 4.7 kg pail



MIXING & HANDLING

Wet the hands thoroughly in a bucket of water, and take equal sized balls of the base and hardener from the pails. Knead together in the hands until the color is an even grey color free of streaks, keeping the hands wet enough to avoid the putty sticking firmly to the skin. Apply by hand, and wash up when complete. This product is generally non-irritating, except for the most sensitive skins. Use rubber gloves if any skin irritation occurs. See "General Instructions for the Use & Handling of Polymer Grouts" for further details.



Alphatec Holdings Pte Ltd 3 Shenton Way, Singapore.

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