

TECHNIREZ R1266 is a solvent free, pre-filled, epoxy casting resin specifically designed for use with H1266 hardener that will cure at ambient temperature, to produce a tough compound with high compressive strength.

TECHNIREZ R1266 was formulated for use in the mining industry as a back filling for the lining of cone crushing equipment. The kit packaging eliminates the need for measuring, and combined with the low viscosity, makes the pouring operation very simple.

The low viscosity also enables R1266 to be used for bolt grouting and machine bedding applications.

**MIX RATIO**

- 1 part hardener to 17 parts resin by weight
- 1 part hardener to 10 parts resin by volume

*Note: Care should be taken when dispensing and mixing. Do not attempt to control the cure time by altering the hardener ratio. Contact ATL Composites for specific information.*

UNCURED PROPERTIES		
	R1266	H1266
Physical State	Grey liquid	Red liquid
Viscosity mPas@ 25°C	30,000-40,000	55-65
Specific Gravity g/ml@ 25°C	1.70-1.80	0.99 - 1.01

CURE CHARACTERISTICS	
Pot Life -100g@ 25°C (in air)	25-35 minutes
Working Time@ 25°C/10kg kit	10 minutes
Demold time@ 25°C	12-16 hours
Mix viscosity mPas@ 25°C	5,000-7,000
Maximum operating temperature	78°C
Shore D Hardness	90

TYPICAL CURED PROPERTIES	
Tensile Strength	38-42 MPa
Compressive Strength	106-110 MPa
Flexural Strength	66-68 MPa
Modulus of Elasticity	10-13 MPa

**APPLICATION**

Seal all crevices with plasticine, putty or other suitable material, to prevent the backing mixture from leaking out.

The resin and hardener must be thoroughly mixed to a uniform colour before application – 4 to 5 minutes. This can be achieved by using a low speed drill.

Care should be taken to avoid excessive air entrapment and to ensure that no unmixed resin or hardener is left on the sides, or the bottom, of the container, as this can lead to soft spots in the casting.

With ambient temperature at 25°C, a full kit of resin and hardener mixture must be poured into place within 10 minutes.

PACK SIZES				
Order Code		Order Code		PACK
Resin		Hardener		
RC1266	9.45 kg	HC1266	0.55 kg	10 kg

### STORAGE

TECHNIREZ R1266 resin and H1266 hardener will keep for 2 years if kept in original containers at room temperature (15°C to 32°C), and out of direct sunlight. Containers should be tightly sealed to prevent moisture absorption.

### HEALTH AND SAFETY

TECHNIREZ R1266 resin and H1266 hardener have moderate sensitising potential, and should be kept out of the eyes and off the skin.

- Use with good ventilation and adequate safety equipment including impervious gloves and safety glasses.
- If skin contact occurs, remove contaminated clothing immediately, and wash the affected area thoroughly with water, avoiding the use of solvents except in the case of massive contamination.
- If eye contact occurs, immediately flush with running water for at least 15 (fifteen) minutes and seek medical advice.
- If swallowed:

**Resins** - DO NOT induce vomiting, and contact a doctor or the Poisons Information Centre.

**Hardeners** - DO NOT induce vomiting, give plenty of milk or water and contact a doctor or the Poisons Information Centre.