

TECHNIREZ R1267 and R1268 are pre-filled, solvent free, epoxy resins specifically designed for use with H1269 hardener to cure at ambient temperature and produce high impact, wear resistant coatings that exhibit excellent chemical, mechanical and electrical properties.

TECHNIREZ R1267 and R1268 were formulated for use in the mining industry for the protection of pump casings, mining equipment and walkways.

MIX RATIO

1 part hardener to 5 parts resin by weight

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

	R1267	R1268	H1269
Physical State	Blue viscous liquid	Grey viscous liquid	Clear liquid
Viscosity mPas@ 25°C	170,000	170,000	50
Specific Gravity g/ml @ 25°C	1.8 - 1.9	1.8 - 1.9	0.99 - 1.03

CURE CHARACTERISTICS

Mix viscosity mPas@ 25°C	7400
Shore D Hardness	82

TYPICAL CURED PROPERTIES

Tensile Shear Strength	18.27 MPa
Compressive Strength	113.8 MPa
Flexural Strength	105.5 MPa

COVERAGE

0.8kg of mixed R1267 or R1268 with H1269 will cover 1m² with a film build of 500 microns.

APPLICATION

Application is best achieved with a polyester mohair roller that has a 5-6mm pile.

A minimum film build of 500 microns is required to achieve the optimum chemical and wear resistance. This film build is easily obtained with application of two coats, each of 250 microns.

To avoid the possibility of uneven application with the second coat, a different colour is often used.

CURE TIMES

Ambient Temperature	Working Life 1 kg mix	Full Mechanical Properties
5°C	3 hours	96 hours
15°C	1.5 hours	48 hours
25°C	45 minutes	24 hours
30°C	30 minutes	20 hours

ELECTRICAL PROPERTIES*

Volume Resistivity (OHM/cm @ 25°C)	1.1 x 10 ¹⁵
Minimum Dielectric Strength	652 volts/25microns
Dielectric Constant (50hz @ 25°C)	7.0

* Typical values- not to be construed as specification

This also gives visual check for the need for maintenance, as the coating can become eroded over time due to normal wear and tear.

The second coat can be applied as soon as the first coat is firm to touch (4-5 hrs @ 25°C). The maximum length of time between coats is 16 hours.

PACK SIZES				
Order Code		Order Code		PACK
Resin		Hardener		
RD1267	20 kg	HD1269	4 kg	24 kg
RD1268	20 kg	HD1269	4 kg	24 kg

STORAGE

TECHNIREZ R1267 and R1268 resins and H1269 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 R1267 and R1268 resins and H1269 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 ATL's 845 hand cleaner and 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.