



## TECHNICAL DATA

### SERIES 6

#### Product Description

Series 6 is a two component polyurea based compound formulated for use as an encapsulant for gas pipe joints and repairs. The material exhibits outstanding mechanical properties. The excellent electrical properties and chemical resistance make this product very useful in a wide range of situations.

#### Features

- \* Complies fully with LC8 specification
- \* Exhibits high tensile and tear strength yet remains very flexible when cured
- \* Bonds tenaciously to cast iron, steel and concrete in combination with Series 6 Primer
- \* Rapid strength build-up
- \* Supplied in various kit sizes with base and hardener each in separate tins

#### Typical Uncured Physical Properties

Property	Component	Result
Viscosity	Base	15 Poise
	Hardener	70 Poise
Specific Gravity	Base	1.27
	Hardener	1.05
Mix Ratio by weight by volume	Base : Hardener	2:3
	Base : Hardener	1:1.87
Colour	Base	Black
	Hardener	Clear/off-white



## Typical Cured Properties

Property	Result
Force at break (Cleavage Plate)	2.7kN
Extension at break (Cleavage Plate)	30mm
Shore "A" Hardness	60
Electrical Strength	15KV/mm
Thermal Conductivity	0.3W/m °K
Glass Transition Temperature	-46°C
Shear Modulus	0.68MN/m <sup>2</sup>
Youngs Modulus	2.56MN/m <sup>2</sup>

## Solvent Resistance

Petrol	Moderate
Diesel	Moderate
Kerosine	Moderate
Water	Excellent
Ketones	Poor

## Cure Schedule

Temperature °C	Time (minutes)
5	20
23	11
30	8

Note: The above technical information and data should be considered representative or typical only and should not be used for specification purposes.



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### Directions for use

See instructions supplied with kit

### Surface Preparation

Surface should be shot-blasted

### Storage and Shelf Life

2 years



## Precautionary Information

Refer to Product Label and Material Safety Data Sheet for health and safety information before using this product. All Products should be used in accordance with your own COSHH Assessments. For additional health and safety information, call 01373 858234.

## Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that ALH believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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