

## TECHNICAL DATA SHEET

### EPOXY RESIN

# REDLINE

Revised: 03/2022

Redline is a non-structural internal reline coating for pressurised pipe systems and provides excellent resistance to high temperatures. Resin is blown into place using existing access points, meaning little disruption to users, operations, or the surrounding environment.

#### PRODUCT INFORMATION

##### RECOMMENDED APPLICATIONS

- Suitable for copper, metal, iron and steel pipes or conduit transporting.
- Hot & Cold Potable Water (including mains)
- Grey Water
- Compressed Air
- HVAC and other chemicals
- Fire suppression materials
- Steam
- Conduit piping



##### FEATURES AND BENEFITS

- Resin is blown into place using existing points and cured within the pipe.
- Relines pipe diameters from 12mm to 300mm, delivered by high velocity compressed air (Larger sizes above 300mm can be delivered by mechanical spraying).
- Eliminates the expense and inconvenience associated with pipe replacement.
- Effectively controls future pinhole leaks, corrosion, and MIC by preventing metals from contracting water and oxygen.
- AS/NZ 4020:2005 approved
- NSF 61 approved
- BS6920-1:2014 approved
- Water Regulations Advisory Scheme LTD (WRAS) – material approved
- Withstands the internal pressure of the host pipe
- Prevents and eliminates leaks (including pinhole and slab leaks), corrosion, mineral build up and issues with low water pressure.
- Protects you from lead and other contaminants leaching from pipes into drinking water
- Tolerates and negotiates multiple 45- and 90-degree bends
- Has an estimated epoxy resin life expectancy of 100 years
- Is an environmentally friendly pipe relining solution requiring no excavation or destruction, causing minimal disruption to structures or no inconvenience to residents, workplace operations or clients.
- Takes a fraction of the time of traditional pipe repair.
- In most cases, savings can be between 25 and 80 percent, making Redline the most cost-effective option



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### TYPICAL PROPERTIES

	Method	Value
Appearance		Liquid
Colour Part A		Opaque Red/Brown
Colour Part B		Translucent Orange/Brown
Mixed colour		Opaque Red/Brown
Solid content by weight	ASTM D1259-06	100%
Viscosity Part A / Part B / mixed viscosity (cps at 25°C)	ASTM D2393	7000
Minimum recommended service temperature (°C)	N/A	-20°C
Maximum recommended service temperature (°C)	ISO 75	65°C
Mixed Density (kg/litre)		1.08
Shelf life (months) Part A / Part B		24

### GENERAL PREPARATION

- Surface to be dry and free of oil, grease and flaky materials.
- Use mechanical abrasion to create a suitable high-quality bonding profile prior to application
- Refer to operating manual and trained personal on Nuflow Redline Blowable Epoxy System.

### MIXING

- Read 'Hazards Identification' section of Redline Part A and Part B Safety Data Sheets
- All resins must be thoroughly mixed prior to application. Incomplete mixing may result in non-proper pipe coating and reduce the ultimate strength of the coating.
- Refer to operating manual and trained personal on Nuflow Redline Blowable Epoxy System.

### CLEANING

- Clean up uncured material and equipment immediate after use with acetone
- Do not use solvents on skin

### HEALTH & SAFETY

- Avoid contact with the skin, eyes and avoid breathing in the chemicals
- Wear all appropriate PPE (e.g. Glasses and gloves) when mixing and handling the product.
- For advice contact a poisons information centre on 13 11 26 (Australia) Or 0800 764 766 (New Zealand), or a doctor straight away

*Refer to Safety Data Sheet for specific and further first aid instructions.*

### STORAGE AND HANDLING

- Store in tightly closed, original container in a cool ventilated area
- Keep containers clear of explosives, food, oxidising agents and organic peroxides