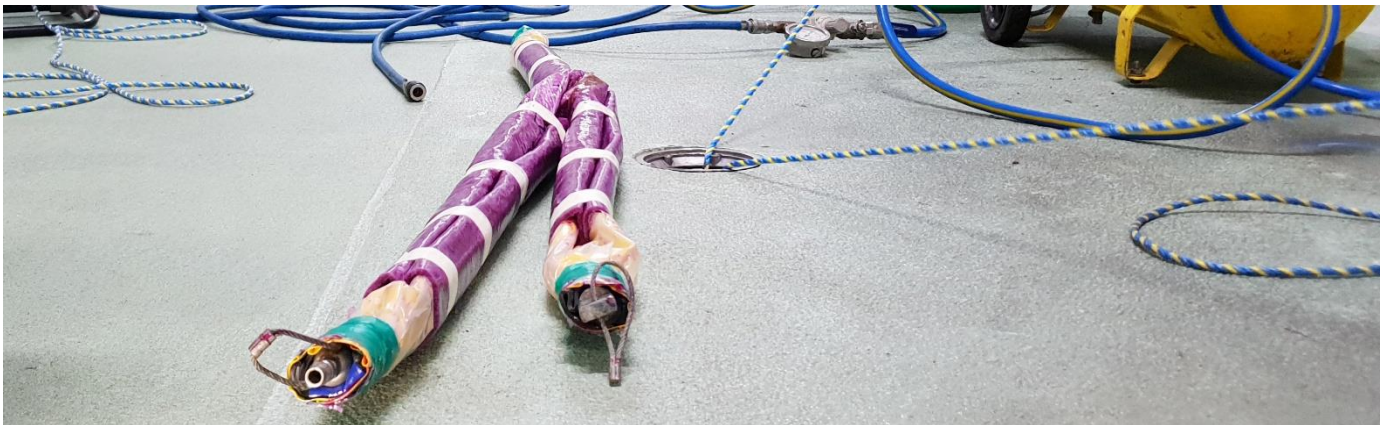


TECHNICAL DATA SHEET

BLUELINE

HIGH TEMPERATURE / ACID RESISTANT (HT/AR) EPOXY RESIN

Revised: 03/2017



PRODUCT INFORMATION

RECOMMENDED APPLICATIONS

- Pipes running high temperature fluids up to 140°C
- Trade waste lines where caustics and acids are washed down



PRODUCT DATA

DESCRIPTION

Nuflow High Temperature / Acid Resistant (HT/AR) resin is a low viscosity, 100% solids epoxy resin specially formulated to provide an exceptionally high resistance to acids, caustic solutions and other chemicals. This resin, which is designed to be cured at elevated temperature, also provides excellent resistance to high temperatures up to 140°C

CHEMICAL RESISTANCE

Caustic Soda 90%	Sulphuric Acid 70% (Long Term)
Ammonia Solution 30%	Sulphuric Acid 99% (Short Term)
Methyl Alcohol	Isopropyl Alcohol
Hydrochloric Acid 32%	Hydrogen peroxide 7.5%
Hexane Nitric Acid 70%	Jet Fuel Glycerine
Silver nitrate	Toluene
Acetic Acid 90%	Lactic Acid 50%
Phosphoric Acid 70%	

TECHNICAL DATA SHEET

HIGH TEMPERATURE / ACID RESISTANT (HT/AR) EPOXY RESIN

Revised: 83/2018

PRODUCT SPECIFICATIONS

Appearance:	Part A Colourless liquid
	Part B Deep purple liquid
Mixed Viscosity at 25°C	2500 cps.
Specific Gravity	1.1
Flash Point	Above 150°C
Mix Ratio	Part A – 100 parts
	Part B – 20 parts



TYPICAL CURED PROPERTIES

CHARACTERISTIC	UNIT	VALUE
Maximum Operating Temperature	°C	140
Tensile Strength	Mpa	70
Compressive Strength	Mpa	100
Modulus of Elasticity	Mpa	3200
Flexural Strength	Mpa	110

AMBIENT WORKING & CURING TIMES

Temperature	Working Time	Curing Time
13°C	75 minutes	6hr 30min
21°C	42 minutes	3hr 30min
29°C	22 minutes	2hr 30min

Important note: This resin has been designed to provide very good high temperature and chemical resistance performance. To achieve the properties quoted above, it is necessary to cure this resin at elevated temperature, at least 50 – 60°C. Higher temperature cure is highly recommended. Alternatively, post-cure at elevated temperatures by hot water, hot air or steam can be utilized. **Post curing must be completed for a minimum of 120 minutes.**

SAFETY REQUIREMENTS

- Avoid breathing vapour and contact with skin and eyes. Wear suitable protective clothing, gloves and eye and face protection when mixing or using. Refer to MSDS and TDS for further information.

STORAGE & HANDLING

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