ALH Group

TECHNICAL DATA

NP2037 Issue A43

EPOXY SEALANT FOR EXTREME CONDITIONS

Product Description

NP2037 A43 is a rapid curing two-part epoxy resin system that is capable of operating at temperatures below -60°C. The system cures at room temperature to produce a flexible, tough and highly water resistance material. Supplied in convenient 50 ml and 30 ml cartridges.

Features

* Flexibility below -50°C
* Highly water resistant
* Tough and impact resistant
* Highly adhesive
* Rapid Gelling and Curing

Typical Uncured Physical Properties

Property	Base	Hardener	Mixed System
Viscosity (mPas)	2600	7300	5000
Colour	Red	Amber	Red
Specific Gravity	1.13	1.05	1.10
Mix Ratio	1.07 1	1 1	By Weight By Volume

Pot Life	4 Minutes	25 g @ 23°C
Gel Time	6 Minutes	25 g @ 23°C
Complete Cure	24 Hours	25 g @ 23°C
DEMOULD TIME	25 Minutes	25 g @ 23°C

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Typical Cured Properties		
Property	**Result**	**Units**
Shore D Hardness (72 hrs)	70	
Elongation (-20^{O}C)	20	%
Tensile Strength	>20	MPa
Cure Time	24	Hours
Thermal Conductivity	0.25	W/mK
Operating Temperature	-65 to +140	°C

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

Storage and Shelf Life

Store between 5-30°C, in dry conditions and out of direct sunlight.
When stored under the above conditions the shelf life of this material is 2 years.
If stored at 5°C the shelf life of this material is 5 years.

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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.

Product Use

The quoted pot life of the mixed system is based on 23^{O}C and may be longer at lower temperatures and shorter at higher temperatures. Keeping the cartridges warm before use will make dispensing the resin easier. Please ensure that surfaces that require adhesion are clean and dry. Roughening smooth surfaces and then cleaning/degreasing will give the best results.

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