



TECHNICAL DATA

NP1154HT

Product Description

NP1154HT is a two-component polyether based polyurethane which reacts at room temperature to produce a hard encapsulant.

Features

- * Rapid cure
- * Very high tensile strength
- * Exceptional adhesion to steel when used with the appropriate primer
- * Very high hydrolysis resistance
- * Very high abrasion resistance

Typical Uncured Physical Properties

Property	Base	Hardener
Viscosity (mPas)	500	230
Colour	Dark brown	Clear brown
Specific Gravity	1.05	1.23
Mix Ratio (by weight)	100	67
(by volume)	100	58



Typical Cured Properties

Property	Result
Shore "D" Hardness after 72 hours	70
Tensile Strength	20 MPa
Glass Transition Temperature	69°C
Abrasion resistance (Taber H22)	0.2 g loss after 1000 cycles

Solvent Resistance

Solvent Resistance	Rating
Ketones	Poor
Petrol	Good
Diesel	Good
Water	Very good

Cure Schedule

Temperature (°C)	Time	Units
5	20	Minutes
10	15	Minutes
23	11	Minutes
30	6	Minutes

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



Directions for use

Pour hardener into base and mix for at least 1 minute.

Surface Preparation

Shot blast and prime.

Storage and Shelf Life

12 months at 5-25°C.

Supply	Details
Twinpacks	Ideal for mixing without the entrapment of air.
Kits	The resin base and hardener are supplied in two separate containers, pre-weighed to facilitate accurate mixing for larger applications.
Bulk	Available in proportioned containers.
Shelf Life	The materials should be stored in the original unopened containers under cool dry conditions at temperatures between 10 and 25°C. The shelf life is one year. Opened containers should be resealed.



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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