Hychem™ HJ 80

Slab Lifting Resin

Description

Hychem™ HJ 80 is a two-component polyurethane foam system designed for concrete slab lifting, void filling, and subgrade stabilisation. The foam rapidly expands after injection, providing controlled lifting force and high compressive strength for re-levelling and longterm support of concrete slabs. Part A is the isocyanate and Part B is the resin.

Product Data

TYPICAL LIQUID PROPERTIES

The properties in this table are for Hychem™ HJ 80 Part "B".

Property	Result
Appearance	Clear pale-yellow liquid
Specific Gravity	1.08 – 1.09
Viscosity (20°)	800 – 1000 mPas

Technical Data

LABORATORY REACTION PROFILE

The laboratory reaction profile results for mixed Hychem™ HJ 80 at 20°C is shown in the below table.

Property	Result
Cream Time	10 ~ 16 secs
Gel Time	44 ~ 52 secs
Rise Time	86 ~ 106 secs
Free Rise Core Density	74 ~ 82 kg/m^3

TYPICAL PROPERTIES AS SEEN IN THE LABORATORY SAMPLE

Test	Result	Method
Density	74 ~ 82 kg/m^3	ASTM D1622
10% Compressive strength – parallel (80kg/m^3)	> 500 kPa	AS2498.3
10% Compressive strength – perpendicular (80kg/m^3)	> 380 kPa	AS2498.3
Cross breaking strength	>1500 kPa	AS2498.4
Water Absorbtion	< 1%	ASTM D2842
Dimensional stability (% change)	< 2 %	ASTM D2126

Mixing

Product Part	Mixing Ratio
Hychem™ HJ 80 Part A Isocyanate	100 parts by volume
Hychem™ HJ 80 Part B Resin	100 parts by volume

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Storage and Handling Precautions

STORAGE STABILITY

When opening a container, care must be taken to release any internal pressure slowly. To prevent ingress of moisture, drums must be kept tightly sealed when not in use.

Recommended storage temp: 20 - 30°C. Under these conditions this product has a storage stability of at least 12 months.

PACKAGING

215kg per drum

1000kg per IBC

Safety

In an emergency, contact 000, the Poisons Information Centre (13 11 26 within Australia) or a doctor for advice. Please refer to the current SDS (Safety Data Sheet) and follow the prescribed safety precautions and handling procedures for the product.

Warranties and Disclaimers

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