Hychem™ HJ 60

Slab Lifting Resin

Description

Hychem™ HJ 60 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 long-term 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 60 Part "B".

Property	Result
Appearance	Clear pale-yellow liquid
Specific Gravity	1.06 – 1.09
Viscosity (20°)	550 – 650 mPas

Technical Data

LABORATORY REACTION PROFILE

The laboratory reaction profile results for mixed Hychem™ HJ 60 at 20°C is shown in the below table.

Property	Result
Cream Time	10 ~ 16 secs
Gel Time	40 ~ 50 secs
Rise Time	95 ~ 116 secs
Free Rise Core Density	57 ~ 64 kg/m^3

TYPICAL PROPERTIES AS SEEN IN THE LABORATORY SAMPLE

Test	Result	Method
Density	57 ~ 64 kg/m^3	ASTM D1622
10% Compressive strength – parallel (60kg/m^3)	> 420 kPa	AS2498.3
10% Compressive strength – perpendicular (60kg/m^3)	> 230 kPa	AS2498.3
Cross breaking strength	> 900 kPa	AS2498.4
Water Absorbtion	< 1 %	ASTM D2842
Dimensional stability (% change)	< 2 %	ASTM D2126

Mixing

Product Part	Mixing Ratio
Hychem™ HJ 60 Part A Isocyanate	100 parts by volume
Hychem™ HJ 60 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

Hychem® warrants that this product shall conform to the technical specifications published in the product literature. The quality and fitness of the product are dependent upon its proper use and application by the applicator. Hychem's role is limited to the manufacture and supply of the product and its components and does not extend to supervision or control of its application. It is vital that the person applying this product understands its properties and limitations and is appropriately trained and competent in the use of the equipment, methods and materials associated with its application. There are no warranties that extend beyond the description contained herein, except where provided in writing directly by Hychem® and executed under seal by a company officer.

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