



max bond RAPID CURE POLYURETHANE ADHESIVE

Description

Maxbond Rapid Cure Polyurethane adhesive is cross linking, waterproof (D4 standard), polyurethane adhesive for all types of construction applications. Maxbond Rapid Cure forms a rapid bond and is excellent where gap filling requirements are needed and in marine construction.

Benefits

- D4 level waterproof bond
- Rapid curing
- Bonds to most surfaces
- Gap filling on uneven joints
- Strong bond
- Bonds to metal as well as timber
- Non drip
- Paintable
- Solvent free
- Translucent when cured
- Heat resistant

Uses

- Cabinet making
- Carpet grip strip bonding
- Marine and boatbuilding
- Bonding timber to metal
- Rigid bonding of any surfaces
- Bonding decking and frames
- Bonding metal strips to walls
- Repairing timber assemblies
- Bonding sheet products to frames (e.g. plasterboard)

Compatible Substrates

Timber & decking	Plywood
MDS	Metal
EPS polystyrene	Fiberglass
Plastic (pretest)	Rubber (pretest)
Particleboard	Plasterboard

Surface Preparation

Surfaces must be above 5°C, clean, dry, sound and dust, oil or other contaminant free. Clean non porous surfaces with HBF cleaner or methylated spirits and allow to dry before bonding. Adhesion to metal may be improved by light abrasion of the surface

Performance Summary

Property	Data
Sag	Nil
Open time	5 minutes
Clamping time	60 minutes
Full bond strength	After 7 days
Service Temperature	-30°C to 100°C
Solid content	100% (solvent free)
Water resistance	D4 level
Specific Gravity	1.1 g/ml Translucent
Shear strength (DIN EN 204)	>10MPa

Limitations

- Do not apply at temperatures below 5 °C.
- Do not use on applications where the joints will be permanently immersed in water
- Must be clamped for maximum strength
- Not suitable for polyethylene, polypropylene or Teflon surfaces.
- Cure time will be increased when used where no moisture may reach adhesive, e.g. between two non porous surfaces.

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- Not a flexible adhesive, designed for rigid bonding to hold surfaces together without flex.
- Shelf life / storage: 12 months in unopened cartridges in cool, dry conditions.

Application

Ensure that temperature is above 5°C. Apply adhesive to one surface only. Bring both surfaces together and clamp. Clamping bond will ensure maximum bond strength is formed which can be 5-10 times that of unclamped bond. Clamp for at least one hour after application, longer in cold or low humidity conditions. Note: when surfaces do not meet the product will foam and fill the cavity. Excess adhesive may foam from the edge of the joint and require trimming. To improve gap filling properties, or to increase cure speed, slightly moisten surfaces prior to application of adhesive.

Cure Time

Keep clamped for one hour minimum, preferably longer. Strong bond will form by this time, however, ultimate bond strength will be reached within 7 days.

Clean Up

Use Maxpro cleaner, mineral turps, acetone or other solvent to clean up wet product. Dry product must be removed mechanically. Cured product can be sanded.

Safety Information

Maxbond Rapid Cure is classified as hazardous according to criteria of Worksafe Australia. Wear gloves and suitable protective equipment when using maxbond express

A Material Safety Data Sheet is available from the H.B. Fuller representative your state, HB Fuller Australia customer service, or downloadable from the HB Fuller web site, www.hbfuller.com.au

Disclaimer

This technical data sheet summarises at the date of issue to the best technical knowledge of HB Fuller Australia. Since HB Fuller Australia cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this technical data sheet in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for the products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

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