PU5 RAPID WOOD GEL

5 Minute Rapid Set Polyurethane Wood Adhesive

Technical Data Sheet

GLUES & ADHESIVES RANGE

CLASS EN204:D4

Description:

A one part, rapid setting, high strength moisture curing polyurethane thixotropic gel specially formulated for water-resistant bonding and fast setting (BSEN204 D4 Classification).

Features & Benefits:

- ***Skins in 5 minutes.***
- ***Final bond strength after 12 hours.***
- ***D4 water resistance (including sea water).***
- ***Solvent-free.***
- ***Suitable for use on solid walls, metal and timber studding.***
- ***No nails or screws. No filling over or popping out.***
- ***Easy application - no mixing or mess.***

Uses

Bond It PU RAPID WOOD GEL can be used in joinery and carpentry, for bonding garden furniture, staircases, boats, wooden constructions, sandwich panels and insulation materials. It has excellent adhesion to wood, chipboard, laminate, metals, polyurethane, expanded and extruded polystyrene foams, mineral wool, concrete, stone, bricks, gypsum boards and all traditional porous substrates. It is also an ideal adhesive for fixing carpet grippers, metal edges and stair nosings. This product is seawater proof and is resistant to acid and chemicals.

Preparation

Ensure all surfaces are clean, dry and free from grease, oil or any other contaminants that may hinder adhesion. The substrate must also have a maximum humidity of 30%RH.

Application

WEAR PROTECTIVE GLOVES. Carefully cut the tip of the cartridge taking care not to damage the threaded area. Screw on the nozzle supplied and cut to an angle of 45°. Apply using a standard sealant gun to one of the substrates, or to both if the materials are porous. Assemble immediately (within 5 minutes) and clamp for at least 1 hour. Pressing the materials during curing is necessary to reach the highest possible end strength.

The product will foam slightly on application to fill any small gaps. Clean away any residue immediately with a dilute cleaning solution, do not allow to set.

Setting Time

Bond It PU RAPID WOOD GEL will begin to skin after approximately 5 minutes. Fast set will be achieved after approximately 10 minutes with final bond strength after 12 hours.

Cleaning

Cured adhesive can only be removed mechanically.

Coverage

150-250g per metre.

Size

300ml plastic cartridge.

Colour

Translucent gel.

Shelf Life

Minimum 12 months from date of manufacture when stored in original, unopened cartridges.

Storage Conditions

Store in cool, dry and well ventilated conditions between +5 and +25°C. Protect from frost and direct sunlight.

Disposal of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Remove any containers to a central disposal point in accordance with local regulations.

Health & Safety

Please refer to separate safety data sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's responsibility to determine suitability for use. If in doubt, contact our Technical Department for advice.

Note: this information is for general guidance only, since site conditions and labour are beyond our control.

Specification Summary

Appearance	Translucent thixotropic paste
Skinning Time @ +20°C and 50% RH	5-10 minutes
Final Setting @ +20°C and 50% RH	24 hours
Press Time @ +20°C and 50% RH	60 minutes
Solid Content	100%
Density	1.15 ± 0.03g/cm³
Viscosity @ +20°C	400,000 +/- 100,000 mPas Brookfield RVT Sp7 @ 5rpm
Application Temperature Limits	+5 to +35°C
Shear Strength (beech to beech)	After 15 mins >50Kgf/cm³ After 24 hours >80Kgf/cm²
Temperature Resistance	-30 to +100°C
Tear Resistance	up to 130Kg/cm²
Commodity Code	3506100000

As from 24 August 2023 adequate training is required before industrial or professional use.

Product / Order Details

Code	Colour	Fill	Barcode	UFI
BDAPU5	Translucent	300ml	5060021363398	8390-Y0UK-A00E-521T

Part of the Bond It Glues & Adhesives Range

Note: The data presented in this leaflet is in accordance with the present state of our knowledge, but does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.

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Certificate Number 6152
ISO 9001
ISO 14001
ISO 45001

Version 8: 19/03/24
Supercedes V7 01/12/21

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