



DUO "2 IN 1" WOOD GLUE

Water Resistant D3 Wood Adhesive

Technical Data Sheet



GLUES & ADHESIVES RANGE

CLASS
EN204 D3;
BS4071

Description:

A ready to use, PVA timber adhesive which is suitable for use in damp and humid conditions. Meets the requirements of BS4071 Creep Resistance standard and EN204, D3.

Features & Benefits:

- ◆ **Fast drying.**
- ◆ **Creep resistant.**
- ◆ **High bond strength.**
- ◆ **For internal and external use.**
- ◆ **Conforms to EN204 D3 and BS4071.**

Uses

DUO "2 IN 1" WOOD GLUE can be used as a general purpose, joinery adhesive, or for applications where long term resistance to moisture is a pre-requisite of the adhesive. Suitable for hard and soft woods, decorative laminates, chipboard blockwood and other engineered timber panels. It is also suitable for use with RF bonding machinery. Not suitable for permanent immersion in water.

Limitations

Do not use on surfaces below +5°C except with RF heating or on timber with a moisture content of above 12%. Timber, which in use will be permanently wet and stressed, should be glued with a thermosetting adhesive.

Preparation

All surfaces must be clean, dry, sound and free from dust, grease or contaminants that may hinder adhesion.

Application

Apply the adhesive to one surface only and bring the two surfaces together within 3-4 minutes and clamp for approximately 1 hour. After 1 hour careful handling is permissible. Glued components should be left overnight before machining. Remove excess adhesive whilst wet using a damp cloth. Full bond strength is achieved after approximately 24-48 hours.

When using RF bonding techniques the user must explore the most efficient combination of glue application, power and dwell time as each of these varies with different machinery and constructions.

Cleaning

Clean any tools after use with warm soapy water.

Coverage

Surface bonding 70-150g/m² (1L will cover 6m²-14m²).
Assembly bonding 150-190g/m² (1L will cover 5m²-6m²).

Shelf Life

White liquid.

Shelf Life

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

Storage Conditions

Store in cool, dry conditions between a temperature of +5°C and +25°C. Protect from frost and direct sunlight.

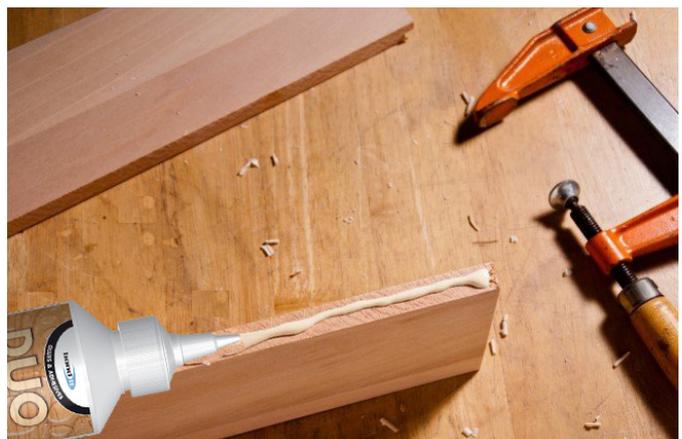
Disposal of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Replace lids and remove any containers to a central disposal point in accordance with local regulations. Any spilt material should be mopped up immediately with an inert absorbent material, such as sand.

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 | White liquid |
| Chemical Composition | Aqueous Polyvinyl Acetate Dispersion |
| Total Solids | 50 +/- 1% |
| Particle Size Range | 0.1-2 microns |
| Solubility in Water | Miscible |
| pH | 2.8-3.6 |
| Viscosity @ +25°C Brookfield RVT spindle 6 20 rpm | 9,000 - 15,000 mPas |
| Minimum Film Forming Temperature | +4°C |
| Shear Strength (wood to wood) | 10N/mm ² |
| Full Strength Obtained | 24-48 hours after bonding |
| Density | 1.03 - 1.13g/cm ³ |
| Commodity Code | 3214900000 |

Product / Order Details

| Code | Colour | Size | Barcode | UFI |
|--------|--------|-------|---------------|-----|
| BDA050 | White | 125ml | 5060021364371 | - |
| BDA051 | White | 250ml | 5060021364388 | - |
| BDA052 | White | 500ml | 5060021364395 | - |
| BDA053 | White | 1L | 5060021364401 | - |
| BDA054 | White | 2.5L | 5060021364418 | - |
| BDA055 | White | 5L | 5060021364425 | - |
| BDA056 | White | 25L | 5060021364432 | - |
| BDA057 | White | 200L | 5060021364685 | - |



Part of the Bond It Glues & Adhesives Range

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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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ISO 45001

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