

PRODUCT DATA SHEET

EVERBUILD® 502 Weatherproof Wood Adhesive

A HIGH QUALITY, D3, RESIN BASED WOOD ADHESIVE.

PRODUCT DESCRIPTION

Can be used internally and externally and provides a high strength, impact resistance bond that is usually stronger than the wood itself. Ideal for all general woodworking and joinery uses, furniture assembly and household DIY use. Dries clear. Fast cure, initial set in just 10 minutes.

USES

As a weatherproof/creep resistant wood adhesive, internally and externally.

CHARACTERISTICS / ADVANTAGES

- Excellent rate of bond strength development.
- High degree of water resistance. D3 Classification-joints may be subject to short term water contact or exposure to high humidity.
- Interior/exterior use.
- Low timber staining characteristics - will not stain.
- Creep Resistant - Conforms to EN14256 Resistance to static load.
- Dries clear - contains no inert fillers.
- Water based - environmentally friendly/easy clean up.
- Suitable for radio frequency cure.

Specific Data

Viscosity @ 23°C	7000-15000 cP
Brookfield RTV 5/20	
pH	2.0-4.0

PRODUCT	EN204 D3/3	BSEN 14256
Everbuild A/P Wood Adhesive	Ave 2.17 N/mm ²	19.2 days
Specification	≥2.0 N/mm ²	≥ 14 days

APPROVALS / STANDARDS

BS EN204 D3
BS 14256

PRODUCT INFORMATION

Packaging	various
Colour	Dries clear
Shelf Life	12 months

Storage Conditions

To ensure safe storage of EVERBUILD® 502 Weatherproof Wood Adhesive, containers should be well sealed to prevent evaporation of water and the formation of skin on the surface. The emulsion must be stored at a temperature above freezing. A temperature of 5-25°C for not more than six months is recommended. Higher temperatures will affect quality and cause the formation of crusts and skins, especially if the containers are not tightly closed or subjected to direct sunlight for long periods. During storage, slight separation may occur. (thin layer above thicker layer). This is an esthetic rather than technical problem. In this case, shake well before applying. If these conditions cannot be met, please refer to our Technical Service Department who will advise on storage stability.

Density	1.0-1.2 g/cm ³
Solid content by weight	46-49%
Thermal Resistance	Stable (4 week @ 50°C)

APPLICATION INSTRUCTIONS

Apply adhesive thinly to both surfaces. Do not over apply as this will slow down cure. Clamp surfaces together until adhesive dries (off in 1-2 hours: full strength 8 hours). Support until fully cured (8 hours at 20°C). When fitting dowels, the adhesive should be applied to the holes.

- Suitable for radio frequency curing.

SUBSTRATE PREPARATION

All surfaces must be clean, dry and free from grease.

LIMITATIONS

- Not suitable for continuous immersion in water.
- Ensure wood doesn't contain excessive moisture (<15%).
- Do not use at temperatures below 10°C.
- Note: drying time is extended at low temperatures.
- Clean excess adhesive off glue line after clamping before adhesive dries with a damp cloth.
- Sand off any excess adhesive before staining the wood.
- Ensure sufficient clamping pressure, especially important with radio frequency bonding.
- Use on Laminates: Only suitable for bonding small porous laminate strips. Do not use on non-porous or large areas of laminate. Use CONTACT ADHESIVE.
- EXTERIOR USE: All glue joints must be protected with impervious paint system when dry.

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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