

PRODUCT DATA SHEET

EVERBUILD® 502 Weatherproof Wood Adhesive

A HIGH QUALITY, D3, CROSS LINKED PVA 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.
- Interior/exterior use.
- Low timber staining characteristics - will not stain.
- Dries clear - contains no inert fillers.
- Water based - environmentally friendly/easy clean up.
- Suitable for radio frequency cure.

PRODUCT INFORMATION

Packaging	Bottles: Various sizes up to 1L Jerry Cans: 5L & 25L Larger Scale: Drum & IBC
Colour	Dries clear
Shelf Life	12 months

Specific Data

Viscosity @ 23°C	7000-15000 cP
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

D3 Adhesive performance under EN204 / EN205 EN14256 Resistance to static loads.

Storage Conditions

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

Density	1.0-1.2 g/cm ³ (dispersion)
Solid content by weight	45-50%
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.
- Before staining / varnishing, sand off any excess adhesive from 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

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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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