

Total Solids (%)	49-53%
Viscosity @ 20°C Brookfield RTV 5/20	4000-6000cps
pH	2.0-4.0
High Temperature Stability (4 weeks @ 50°C)	Stable
Specific Gravity	1.0-1.2 (dispersion)

Product:

Maxitek STORM D4 Super-Fast Setting PVA is a medium viscosity, resin based polymer emulsion which exceeds the waterproof requirements of BS EN204/D4.

Benefits:

- Very high final bond strength.
- Waterproof.
- Interior/exterior use.
- Super-fast drying... dries clears.
- Non-discolouring and easy water clean-up.
- Excellent heat resistance up to 80°C, passing the WATT 91 standard.
- Low odour, compliant with numerous indoor air quality standards.
- Suitable for radio frequency cure.
- Suitable for laminating applications when used in a hot press.

Areas For Use

- As a Weatherproof wood adhesive, internally and externally.
- Hard and soft woods, chipboards, MDF, plywood and high pressure laminates.

Limitations

- Not suitable for continuous immersion.
- 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 and 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: Suitable for use on porous laminates.
- EXTERIOR USE: All glue joints must be protected with an impervious paint system when dry.

Surface Preparation

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

Application

Substrates to be bonded should be at room temperature (approx. 20°C). Apply a generous coat of Maxitek STORM D4 Super-Fast Setting PVA to one surface. Substrates can be bonded immediately; however, always bond within 10 minutes for maximum strength. Apply pressure to the joints/bonds for 10-20 minutes (longer if required). Initial set time is just 10 minutes, reaching full bond strength after 24 hours. Excess adhesive can be removed when wet, using a damp cloth.

Health & Safety

- Consult MSDS for full list of hazards.

Storage

- To ensure safe storage of Maxitek STORM D4 Super-Fast Setting PVA, 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 5-20°C for not more than nine 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.

Shelf Life

- 9 months from date of manufacture.

Regulation or Protocol	Conclusion	Version of Regulation or Protocol
French VOC Regulation	A+	Regulation of March & April 2011 (DEVL1101903D & DEVL1104857A)
French CMR Components	Pass	Regulation of March & April 2011 (DEVL1101903D & DEVL1104857A)
AgBB	Pass	AgBB of February 2015. DIBt of October 2010
Belgian Regulation	Pass	Royal Decree of May 2015 (C-2014/24239)
EMICODE	EC 1 Plus	November 2015
Indoor Air Comfort	Pass	Indoor Air Comfort 6.0 of February 2017
Indoor Air Comfort GOLD®	Pass	Indoor Air Comfort GOLD 6.0 of February 2017
Blue Angel (RAL UZ 113)	Fail	RAL UZ 113 for "Low-Emission Floor Covering Adhesives and other Installation Materials" (Version June 2011)
BREEAM International	Compliant	GN22: BREEAM Recognised Schemes for VOC Emissions from Building Products
LEED v4 (outside U.S.)	Compliant	LEED v4 for Building Design and Construction (April 2015)
BREEAM® NOR	Pass	BREEAM-NOR New Construction 2016

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