



AV 510

SINGLE PACK POLYURETHANE ADHESIVE

13 November 2017

YOUR SMART ADVANTAGES

- Very High Bond Strength
- Single Pack
- Non Flammable
- Solvent Free

DESCRIPTION

AV 510 is a brush grade, solvent free, slow setting, single component moisture curing polyurethane adhesive. Fully cured **AV 510** has an extremely strong bond with exceptional resistance to water, weathering, ageing and marine conditions.

AV 510 is suitable for bonding porous to porous or porous to non porous substrates. It is especially suited to a variety of laminating applications and panel manufacture where extended set-up times are required. It is important that at least one of the surfaces contains moisture. The product will not cure if there is no moisture available from the substrate eg. glass to glass or metal to metal is not possible. Its high bond strength is ideal for bonding hardwood species such as Spotted Gum, Brush Box and Black Butt.

PRODUCT CHARACTERISTICS

Type	Polyurethane
Colour	Clear, unpigmented
Viscosity	Medium
Initial Set Time	Approx 3¼ Hrs @ 23°C / 50% RH
Full Strength	24 hrs
Application Temp	15°C-35°C
Tack Free Time	Approx 3½ Hrs @ 23°C / 50% RH
Application Rate	150 to 250gm/m ² depending upon the porosity and profile of the surface

Product code 30840592
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APPLICATION

Ensure adequate tests are conducted before using commercially. Mix thoroughly before use.

Surface must be clean, dry, free from oil, grease, or other contamination. Metal surfaces should be solvent cleaned and lightly sanded. Apply **AV 510** to the less porous surface using specified application equipment, airless spray, brush or notched trowel. Press both surface together and clamp.

Notes:

1. Slight foaming of the adhesive during the curing process is normal due to the reaction between the adhesive and moisture in the substrate and atmosphere.
2. A mist spray of water over the surface will assist cure during dry, cool conditions
3. Ensure that container lids are thoroughly cleaned of any adhesive before closing. If not cleaned, **AV 510** will bond the lid closed. A smear of Vaseline on screw threads will ensure easy opening of part used containers.

STORAGE & SHELF LIFE

Always ensure that the surfaces to be sealed are dry and free from oil, dirt and grease. Use the two wipe cleaning process for impervious substrates. Ensure the cloths are clean and changed frequently. Use a suitable cleaner such as Isopropyl Alcohol. Masking areas to be sealed gives a neater finish. A primer may be required for some substrates, consult your supplier for more information.

CLEAN UP

Clean tools and equipment with Xylene. Excess adhesive should be removed before cure. Xylene may attack some surfaces.

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HEALTH & SAFETY

Please refer to the Material Safety Data Sheet which is available on request.

AV 510 reacts with water, generating carbon dioxide gas in the process. Take care not to contaminate equipment or containers with water. DO NOT reseal containers that may have been contaminated with water. Severe pressure build up may occur, leading to violent rupture of the container.

PRECAUTIONS IN USE

Complete details on each of the products mentioned are available on the product Safety Data Sheets. To ensure no harm is caused to persons using Bostik products, it is recommended that all concerned read the appropriate Safety Data Sheets. Visit www.bostik.com/au for copies.

May cause irritation if swallowed, moderately irritating to eyes, vapour may cause irritation during the cure stage (if vapour in high concentrations).

Use in a well ventilated area as it releases methyl ethyl ketoxime and methanol until fully cured. Do not swallow and avoid prolonged or repeated contact with the skin. If contact with the eyes occurs, wash eyes with copious quantities of water and consult a doctor if irritation persists.

For emergency information contact the Poisons Information Centre, phone 131 126 or the Emergency Response Service, phone 1800 033 111.



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