



AV 4709

LAMINATING ADHESIVE

23 November 2018

YOUR SMART ADVANTAGES

- Heat Stable Polymer
- High Solids Content
- Withstands continual service temperature up to approx. 80°C and higher exposure intermittently

DESCRIPTION

AV 4709 is a water based adhesive suitable for bonding a variety of wet bonding applications where a flexible and durable bond is required. It provides a translucent, colorless, flexible, tough and durable bond.

AV 4709 can be used for bonding to materials such as paper, PVC, polyester, ABS, polycarbonate, nylon, melamine, polyurethane foam, polystyrene foam, various textiles, galvanised steel and wood.

APPLICATION INSTRUCTIONS

1. May be applied by various roller coating methods, air-assisted spray or brush applied. Abrading smooth, non-porous surfaces prior to bonding will improve the bond strength.
2. Apply **AV 4709** to one substrate at a rate that gives satisfactory adhesion. The amount required will depend on the types of substrates being used and their porosity.
3. One substrate must be porous to allow moisture to diffuse from the bond line.
4. Mate the surfaces together before the adhesive is dry and ensure that the laminate is adequately nip rolled or contacted with sufficient pressure to maximise the wetting of both surfaces.
5. The dry time will depend on the amount of adhesive applied, porosity and moisture content of the substrates and drying conditions available (ie. temperature, humidity & air movement). Rapid drying is best achieved when one or both of the substrates are preheated or heated after bonding. Avoid movement in the bond line while the adhesive is setting, as the bond may be weakened.

APPLICATION

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

LIMITATIONS

Lower levels of adhesion on glass, mild steel, stainless steel, aluminium, rubber, polyethylene, polypropylene. Not suitable for wet area applications.

SURFACE PREPARATION

Surfaces must be clean, dry and free from oil, dust and other foreign materials.

CLEAN-UP

Wet adhesive: Wash any equipment, clothing or skin with warm soapy water before adhesive is dry.

Dry adhesive: Once dry, the adhesive may be removed using hot soapy water or solvent & scrubbing.

Suitable solvents include mineral turpentine, xylene, toluene, MEK or other solvents that soften the polymer. Avoid breathing solvent and beware of fire danger when using flammable solvents.

PRODUCT CHARACTERISTICS

Type	Modified EVA
Colour	White, Dries Clear
Solids	High
Viscosity	High
pH	Approx. 6.7
S.G.	Approx. 1.20
Product code 20 Litre Plastic open head pail	30840005

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STORAGE

12 months shelf life when stored between 5°C to 30°C. Do not allow product to freeze. Ensure containers are well sealed when not in use. To prevent the adhesive from skinning during use, ensure open troughs or holding reservoirs where there is little circulation are covered. Avoid prolonged contact with mild steel, brass, copper, and galvanised steel as corrosion and destabilization of the adhesive can occur.

VOC INFORMATION

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



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