

TECHNICAL DATA SHEET
Airethane 1900-2
Fast Cure Laminating Adhesive

DESCRIPTION

AIRETHANE 1900-6 is a solvent-free, unfilled, single component, moisture-curing, fast cure composition based on polyether polyols.

is MDI based, contains no volatile monomer and is TDI free.

USES

AIRETHANE 1900-2 is specially formulated to give a relatively low viscosity and a fast cure.

AIRETHANE 1900-2 is used as a laminating adhesive and is particularly suitable for the bonding of paper based materials and can be used on other surfaces such as chipboard, galvanised steel, GRP and other plastics, glass, wood, cork, polyurethane foam, polystyrene and mineral wool.

AIRETHANE 1900-2 is designed to be hand applied by roller, squeegee, scraper etc., but can be applied by mechanical means.

APPLICATION

COVERAGE/USAGE

The usage rate of the material will be very dependent on the nature and porosity of the surfaces to be bonded. Good bonds can be achieved at a thickness between 50 and 100 micron.

When used on non-porous substrates coverage will be 10-20 m²/kg.

METHOD of APPLICATION

Use of a roller is the preferred method of application for maximum coverage.

Materials to be bonded should be grease, dust and dirt free. Test bonding should always be carried out. This is particularly important with non-porous substrates.

Sufficient even pressure should be applied to the bonded materials during the curing stage to ensure good adhesion. A period of between 1 and 4 hours will be required dependent on the temperature and the nature of the materials to be bonded.

AIRETHANE 1900-2 should not be applied to wet surfaces (i.e. surfaces where there are visible signs of moisture such as obviously damp patches) but it is not necessary to dry materials that have been stored in good conditions, indoors.

AIRETHANE 1900-2 does not normally require water misting unless two non-porous surfaces are to be bonded although water misting is not detrimental to the product and may result in a faster full cure.

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STORAGE

Store in a cool, dry place, indoors and avoid unnecessary opening of containers. Do not add any other materials to this product without written permission from the manufacturer.

Once opened **AIRETHANE 1900-2** will start to cure and a skin will form. Partly used containers should be resealed immediately and re-used as quickly as possible.

USED CONTAINERS

Treatment/Decontamination Rinse thoroughly with a strong aqueous detergent solution and LEAVE PERMANENTLY OPEN. The reaction of isocyanates with water leads to the formation of carbon dioxide, which can result in pressure build-up in closed containers. This treatment converts any liquid residue into an inert solid. It is advisable to superimpose a 'Decontaminated' label after treatment.

HEALTH AND SAFETY

The recommendations made in the material safety data sheet (MSDS) for this product should be followed at all times.

TYPICAL PROPERTIES

S.G.	1.1
Appearance	Clear Brown Liquid
Viscosity @ 25°C	3-4,000 mPas
Flash Point	>200°C
Storage Stability (temperate)	9 months
NCO Value %	12