

SabreBond™ PU6000

SabreBond PU6000 is a high-performance single component moisture curing polyurethane based adhesive for lamination applications. It has been developed primarily for applications in the laminating and panel manufacturing industries where it is used for bonding foam insulation materials to a wide variety of woods, metals, and plastics.

Characteristics

- High bond strength
- Fast cure profile
- Good wet grab and initial hold
- Low odour
- Great flexibility

Applications

- Materials to be bonded must be free from surface contamination, dust, grease, etc.
- Metals should be kept in a warm place prior to bonding to avoid shock cooling of the bond line which leads to protracted curing times.
- The adhesive should be applied to one surface only. The amount of adhesive used will depend upon the porosity of the substrate.



- If required, a fine mist of water should then be applied to the bondline at a coating weight 10% that of the adhesive coat weight applied.
- Panels may be assembled immediately after adhesive application or left for the indicated open time (Note: The open time changes with temperature. This should be monitored)
- The panels should be cured in a vacuum or hydraulic press with heat application, if desired to accelerate cure.
- Sufficient even pressure must be applied to keep the components in intimate contact during the curing cycle.
- The pressure required will depend to a great extent on the nature of the substrates, but is usually in the range of 10-14 psi (0.7 - 0.9 kg/sq.cm.).

Technical Characteristics

Specific Gravity	1.1
Viscosity	approx 6000 cps
Coverage Rate	200-400gsm, dependent on end use
Cure Time	Various options available. Details are available upon request
Working Time	Various options available. Details are available upon request
Shelf Life	SabreBond PU6000 has a shelf life of 9 months

Uses

Bonding aluminum, EPS Foam, wood materials, MDF, stone, metal, ceramics, and some plastics.

Packaging



Packaging size: 1 litre plastic bottles, 20L pails, or 200L drums.

Safety Data

Wear protective clothing. Avoid prolonged contact with skin. For further information refer to material safety data sheet.

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IMPORTANT NOTICE

Sabre Adhesives Limited makes no warranties, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of application. Due to the fact that specific substrates, such as: plastics, polycarbonates, etc, may differ from manufacturer to manufacturer we recommend preliminary compatibility tests. Please remember that many factors can affect the use and performance in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a product. Given the variety of factors that can affect the use of our products some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

LIMITATION OF REMEDIES AND LIABILITY

If the product is proved to be defective, the sole remedy shall be to refund the purchase price or to repair or replace the defective product. Sabre shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including negligence, warranty, or strict liability.

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