

TECHNICAL DATA SHEET

AEROBOND POLYSTYRENE ADHESIVE

DESCRIPTION

AEROBOND is a two component urethane-based compound specifically designed for the construction of Polystyrene sandwich panels used in the cold-room and similar industries.

FEATURES

- 100% solids, no shrinkage
- Excellent gap-filling properties
- Designed for low temperature use – will not embrittle at -40°C
- Heat Resistant to 120°C
- Safe for use with mechanical applicator equipment
- High shear strength in excess of 80 kg/cm² at 25°C
- Excellent water resistance when cured
- Thixotropic with good flow characteristics
- Fast cure time around 20 minutes at 25°C

USES

AEROBOND is specifically designed for adhesion to the following substrates:

Expanded polystyrene, PIC and polyurethane foam, wood, galvanised iron, “Chromadek” GRP and Perspex sheeting.

AEROBOND may also be used adhesion of PVC and rubber sheeting to masonry, concrete and brick in flooring applications.

IMPORTANT!!

When bonding galvanised iron and GRP ensure that any wax on the surface be first removed with through the use of a degreaser/cleaner and roughening with sand paper.

APPLICATION

Ensure that surfaces are completely clean. To remove the oily layer on the galvanised iron, wash thoroughly with degreaser and clean with mechanical abrasive. Wash off with clean water and dry thoroughly.

To remove the waxy layer on GRP sheeting wire brush or abrade mechanically.

Mix part B into part A, in the correct ratio, stirring until colour is uniform. Use product within 15 minutes. **Do not dilute.**

Apply the mix using a serrated trowel, glue roller or airless spray equipment.

Apply one side only; for a suitable coating thickness, a coat rate of 1 - 2 m²/ Kg is necessary.

Clamp surfaces together within 20 minutes. Surfaces may be safely sanded within 24 hours.

SPECIFICATIONS

BASE	: Cold curing Polyol – MDI reaction mixture
SOLVENT	: None, Solvent-free
NUMBER OF COMPONENTS	: 2
Mixing Ratio	: Part A + Part B 5 + 1 by weight
POT LIFE AT 20°C	: 15- 20 minutes NOTE: Accelerators are available to shorten cure time
COLOUR	: Creamy beige
MASS PER LITRE	: Part A: 1,6kg Part B: 1,2kg
CONSISTENCY	: Free flowing syrup
CLEAN UP	:Thinsol160 solvent general purpose cleaner while uncured.

GENERAL INFORMATION

Minimum Cure temperature	5 Deg C
Exothermic maximum temp	40 Deg C
Full Cure	After 7 days
Application temperature	+5 – 40 Deg C
Service temp limits	-40 – +120 Deg C
Storage Temperature	+15 - +25 Deg C

LIMITATIONS

- Prolonged contact with skin may lead to dermatitis
- Always use in well ventilated areas, and WEAR GLOVES
- Should storage exceed 30 days, some settling may occur.
Mix thoroughly before use.
- Avoid and contact with water. May lead to excessive foaming.
- After use always close each component with the correct lid, and seal properly.
- Increase in ambient temperatures will reduce pot life.