



The Glue People

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TradePUR 101

Moisture cure polyurethane spray adhesive.

General Description

A single component, moisture cure polyurethane designed for spray equipment. Formulated for the bonding of synthetic foams and insulation materials to wood or metal facings in the construction of structural sandwich panels.

Application

Preparation

Surfaces must be clean, dry and free from any contaminants liable to impair adhesion. Metal surfaces such as galvanised steel and untreated aluminium require the use of a primer in order to obtain a satisfactory bond.

Method of application

TradePUR 101 is suitable for application by conventional airless or air-mixed equipment; either by hand or automatic systems. The adhesive is applied to one surface only. TradePUR 101 may be applied directly to polystyrene foam without causing cell attack.

Bonding / Pressure range

TradePUR 101 has an open time of 41 minutes at 20°C and 50% relative humidity. After assembly the substrates need to be held in intimate contact until the cure has progressed sufficiently to enable the panels to be handled. This is best accomplished in a vacuum platen press at 5-10 psi.

Special comments

Since TradePUR 101 cures upon exposure to humid air, special consideration should be given to handling and storage of the material.

Physical Data

Base	Polyurethane
Colour	Light straw
Viscosity @ 20°C	100 cps (Approx.)
Specific gravity @ 20°C	1.21
Chemical resistance	Resistant to water, dilute acids and alkalis and aliphatic oils.
Solvents	Dichloromethane
Coverage	Up to 20m ² per litre depending on the substrates being bonded.
Flammability	No flash point
Service temperature	-40°C to +130°C
Application temperature	Minimum +12°C
Storage life @ 25°C	3 months in unopened containers. Store between 5°C and 25°C.
Cleaning solvent	Tradesolve 6.

Important Notice

Data contained in this document is for information only and is believed to be reliable. Trade Grade Products Ltd (TGP) cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability of the product for any specific purpose and TGP is pleased to provide a sample upon request.

Before using this product ensure that you have been supplied with and have read carefully the following information.

- The hazard label (complying with latest CDG/CPL regulations) applied to the container.
- Material Safety Data Sheet, TradePUR 101.