



The Glue People

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TradePUR 201HS

**High solids moisture cure polyurethane
spray adhesive**

General Description

TradePUR 201HS is a sprayable polyurethane based moisture curing adhesive; with high solids content; that has excellent adhesion to various substrates used in the lamination industry. Ideally suited for panel lamination this product has found wide spread use in many industries including; caravan, cold-store panels, refrigerated vehicles, door panels, curtain walling and cladding panels. Its formulation assures panels can be easily positioned before consolidation of the bond, and once fully cured exhibits excellent heat resistance and good flexibility at very low temperatures.

TradePUR 201HS can also be used in the construction of load bearing panels and exterior insulation panels where adhesion of synthetic foams and insulation materials to wood and metal laminates is required.

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

It 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.

Bonding / Pressure range

Open time 20 mins @ 20°C 50% RH.

The open time TradePUR 201HS exhibits enables laminates to be positioned accurately while the adhesive is still wet so ensuring full adhesive transfer to the substrate, giving an excellent overall bond once fully cured. The table below is a guide to cure times.

Temperature (°C)	Open Time (mins.)	Press Time (mins.)
10	40	80
12	36	72
14	31	62
16	26	53
18	23	47
20	20	40
22	16	33
24	14	29
26	12	25
28	11	23
30	10	20

Special comments

Since TradePUR 201HS 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 – 350 cps (Approx.)
Specific gravity @ 20°C	1.15 – 1.18
Non volatile content	78 – 80%
Chemical resistance	Resistant to water, dilute acids and alkalis and aliphatic oils.
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	+10°C to +25°C
Storage life @ 25°C	3 months in unopened containers. Store between 5°C and 25°C. Lower temperatures may cause permanent damage to the product.
Cleaning solvent	Tradesolve 6
Packaging	1000kg IBC 200kg drum 25kg poly

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 201HS.