



The Glue People

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TradePUR 232

Moisture curing polyurethane adhesive.

General Description

TradePUR 232 is a single component moisture curing polyurethane adhesive developed to meet exacting industry standards. It is part of an extensive range of polyurethane adhesives which have been designed utilising TGP's knowledge of application techniques, offering customers the total package of adhesive technology.

This adhesive was developed to give exceptional levels of adhesion to many varied substrates commonly bonded within the laminating industry. Ideally suited for panel lamination; this product has found wide spread use in many industries including; caravan manufacture, coldstore panels, refrigerated vehicles, door panels, curtain walling and cladding panels. The excellent adhesion to such a wide range of substrates has proved a real advantage to users, giving them the scope for a varied production plan, with a simple and versatile method of application. This formulation is suitable for bonding many substrates used in the panel such as:

- Steel
- Aluminium
- Polyurethane foam
- Wood
- Mineral wool
- Polystyrene foams
- GRP
- UPVC
- Many plastic materials

Due to the curing mechanism of this polyurethane adhesive it will give exceptional performance over a wide range of climatic conditions, again making this product an ideal choice for the composite panel market.

Application

Our engineers have run extensive tests on many types and makes of pumps and spray guns before recommending the most suitable equipment for this product.

The Kremlin 17A is a 17:1 wall mounted bellows pump that is ideal for pumping reactive polyurethane adhesives as it has no wet seals to leak. When used in conjunction with the MX air-mix spray gun then Kremlin 17A gives the ideal set up to apply TradePUR 232 consistently.

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.

Physical Data

Base	Polyurethane
Colour	Clear amber
Viscosity @ 20°C	100 - 350 cps (Approx.)
Specific gravity @ 20°C	1.15 – 1.18
Non-volatiles	78 – 80%
Flammability	No flash point
Service temperature	-40°C to +130°C
Chemical resistance	Water, aliphatic oils, dilute acids and alkalis.
Packaging	28 Kg cans 234 Kg drums 1000 Kg IBCs
Application temperature	10°C to 25°C
Storage temperature	4°C to 25°C. Lower temperatures can cause permanent damage to chemicals.
Coverage	Up to 10m ² per litre dependant on substrate.
Shelf life	3 months in unopened containers.

Cure time chart

The table below is a guide to cure times, **the total cure cycle is obtained by adding the open time and the press time together.**

Temperature (°C)	Open Time (minutes)	Press Time (minutes)
10	80	160
12	72	144
14	62	124
16	53	106
18	47	94
20	40	80
22	33	66
24	29	58
26	25	50
28	23	46
30	20	40

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 232.