

Ref: PU4502B05
Issued: 10th June 2011

PU4502B05 SINGLE COMPONENT SPRAYABLE ADHESIVE

DESCRIPTION

PU4502B05 is a single component sprayable moisture curing urethane adhesive. It exhibits excellent heat and UV resistance compared to a standard adhesive.

It has been developed for fast spray applications in the foam and textile bonding industry. The adhesive gives excellent bonds to PU foam, scrim and fabrics.

PRODUCT FEATURES

Single component system:	One way stick.
Strong, resilient, flexible bond:	Besides the diversity of the materials that can be bonded, the cured adhesive exhibits excellent resistance to heat, cold, moisture and solvent.

TYPICAL SPECIFICATION

Colour:	UNPIGMENTED
Solids:	40% ± 3%
Viscosity @ 25°C:	150 ± 50 mPa.s
Open Joint Time:*	Nominally 90 secs @ 19°C.
Coverage:	Dependent on substrate porosity.
Thinner:	Ethyl Acetate.
Cleaner:	NF5, FS6

* Dependent on local temperature, humidity and panel characteristics.

APPLICATION

- Materials to be bonded must be free from surface contamination, viz, dust, grease, etc.
- The recommended application is via airless spray although conventional air spray systems may be used, providing that conditions are carefully monitored.
- Sufficient even pressure must be applied to keep the components in intimate contact until tack has built up. The pressure required will depend upon the nature of the substrates.
- At the end of the application run, it is essential that glue lines and spray heads are thoroughly cleaned. This is best achieved by flushing the lines and heads with solvent (FS 6 is most suitable for cleaning, however, NF 5 can be used if a non-flammable solvent is preferred).
- Part drums of PU4502B05 should have nitrogen gas injected into the headspace to prevent skinning of the adhesive or use a dessicator once opened. The drums should then be resealed.

STORAGE

- Stored in original unopened containers, PU4502B05 has a shelf life of 6 months.
- Low or high temperatures should be avoided. Ideal storage temperatures are between 5-25°C.
- Once opened, drums should be used within 10 days.

HEALTH & SAFETY

- PU 4502B05 contains a non-volatile isocyanate.
- Avoid prolonged contact with skin.
- In cases of contact with eyes, flush out with excess water and seek medical attention.

The solvent system contained in this adhesive is predominantly non-flammable and of low toxicity but should be used in well ventilated surroundings. Smoking in the vicinity of the adhesive or contact with red hot surfaces must not be permitted as the vapour inhaled under these conditions can be injurious to health.

ADDITIONAL PRECAUTIONS

- Ensure effective extraction to maintain the working environment below the OEL for Diphenylmethane diisocyanate and ethyl acetate.
- Use industrial safety gloves.
- Use suitable eye protection.

Before use ensure that you have read Health and Safety Data Sheet for this product.

The company will supply, upon request, individual advice in writing in connection with the use and application of its products in all appropriate cases. Customers are urged to make use of this service.

This leaflet is provided for general guidance only. All recommendations and suggestions are made in good faith but without guarantee and are subject to the company's terms and conditions.