

TECHNOMELT PUR 7303

March 2013

PRODUCT DESCRIPTION

TECHNOMELT PUR 7303 provides the following product characteristics:

Technology	Polyurethane
Product Type	Reactive hotmelt
Application	Lamination

- reactive, moisture curing hotmelt adhesive based on Polyurethane-Prepolymers
- high initial tack
- medium open time
- fast curing

Application Areas

- very broad adhesion spectrum
- good flexibility
- bonding of wood, plastic, textiles, different films and foams
- suitable for bonding pretreated substrates
- suitable for the lamination of fabric to fabric

TECHNICAL DATA

Technomelt PUR 7303:

Colour	white - yellow
Odour	characteristic at working temperatures, after cure no odour
Solids	100 %
Viscosity	3,500 to 6,500 mPa.s Brookfield, RVT, 120 °C, ASTM D 3236 (spindle 27)
Application temperature	100 to 130 °C

DIRECTIONS FOR USE

Preliminary Statement:

Prior to use it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

Preparation:

The bonding surfaces must be clean, dry and free of oil, grease and dust. Substrate temperature should not fall below 20°C during application. Lower temperatures will lead to an

early solidification of the adhesive and thus to a reduced open time, possibly the adhesive might even flake off. If necessary the substrates maybe preheated, however longer open times and thus extended cycle times will have to be taken into consideration at temperatures above 45°C.

Curing:

TECHNOMELT PUR 7303 cures exclusively by moisture and gains it's final strength after 1 to 7 days, but exhibits high handling strength instantly after joining. Curing is a chemical reaction depending on the following parameters:

- humidity in the rooms of application and storage
- humidity of the substrates
- permeability of the substrates to be bonded
- application weight / layer of the adhesive film

Cleaning:

As long as the adhesive is not cured, the application equipment can be cleaned with Purmelt Cleaner 2. For an easy cleaning of heated rollers we recommend our Macroplast Cleaner 3 (see separate Technical Data Sheet). The cured adhesive can only be removed mechanically.

Application:

TECHNOMELT PUR 7303 can be applied from the usual tank melting equipment and from using heatable equipment. The material may be applied by nozzle, roller and sprayable systems. At longer rest periods melting and application temperatures should be decreased. Longer exposure to higher temperatures can lead to a viscosity increase.

Classification:

Please refer to the corresponding **Material Safety Data Sheets** for details on:

Hazardous Information
Transport Regulations
Safety Regulations

Storage:

Recommended Storage Temperature, °C	5 to 25
Shelf-life (in unopened original packaging)	12 months

ADDITIONAL INFORMATION

Disclaimer

Note:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any



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