

TECHNOMELT PUR 270/5 ME

This is a development product, technical data might change. July 2019

PRODUCT DESCRIPTION

TECHNOMELT PUR 270/5 ME provides the following product characteristics:

Technology	Polyurethane
Product Type	Hotmelt
Application	Edgebanding Straightline Softforming
Appearance	Blocks in aluminium laminated flexible packaging (Peelable Bag)

Application Areas

- Edgebanding as from feedrates of 15 m/min
- Edging material: veneer, melamine, polyester, HPL*, PVC*, ABS*, PP*

* Suitability depends on the individual characteristics of the edging material and how it is primed. In case of thick edges pre-tests should be carried out for suitability.

Product Properties

- MicroEmission (ME) contains less than 0,1% isocyanate monomer
- MicroEmission (ME) reduces isocyanate vapors by up to 90%
- High initial strength
- Chemical cross-linking within few days
- High final bond strength
- Very high heat resistance (> 150 °C) and cold flexibility
- Excellent water resistance
- Produces tight joints
- Clean working especially with high machine feedrates
- Suitable for machine feedrates > 30m/min

Technical Data

TECHNOMELT PUR 270/5 ME:

Softening Point, Ring & Ball, °C	~85
Viscosity, Brookfield - , 150 °C, mPa.s	~100,000
Heat Resistance, °C	>150
Tested with 0.6 mm oak veneer using the Henkel method of increasing temperature.	
Curing Time to final strength, days	2 to 5

DIRECTIONS OF USE

Preliminary Statement

Prior to application it is necessary to read the **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.

Instructions for Use

Working Conditions

Recommended working temperature: in the melting container, °C	130 to 150
at the application roller, °C	130 to 150

Recommended room temperature, °C 18 to 35

Recommended humidity, % 30 to 60

Cleaning

Flushing the system with TECHNOMELT PUR CLEANER 4 periodically or prior to changing to an alternative reactive hot melt will reduce internal build-up of adhesive residue. Application devices such as wheels and rolls that expose reactive adhesive to the air should be thoroughly flushed at the end of a production run or at anytime when there is build-up and gelling. We recommend for the cleaning of the application equipments TECHNOMELT PUR CLEANER ME or TECHNOMELT PUR CLEANER ALL-IN-1. When working with the cleaning agents safety instructions must be considered. Follow also strictly the instructions of the machine manufacturer.

Safety

The product contains diphenylmethanediisocyanate. Even if the product is applied within the range of the recommended working temperature, the diisocyanate has a detectable vapour pressure. When the recommended working temperature is considerably exceeded, hazardous decomposition products may be formed in the application unit. Therefore, measures to draw off the vapours need to be taken, e.g. through the provision of extraction equipment. In case of skin contact with the hotmelt, do not try to remove the adhesive from the skin by force. Consult a doctor. Observe the material safety data sheet.

Storage:

Store in the original tightly closed container in a cool, dry place.

Shelf life

Shelf-life (in unopened original packaging), 12 months
(2 kg container for up to 9 months)

Classification:

Please refer to the corresponding **safety data sheets** for details on:

Hazardous Information
Transport Regulations
Safety Regulations

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