

KANTOMELT PUR LM

In-house hotmelt adhesive with reduced monomer content as a 2 kg block in an aluminium inliner with very high heat and water resistance.

Properties

The hotmelt REDOCOL Kantomelt PUR is a polyurethane-based synthetic resin adhesive exempt from labelling. It has good processing characteristics for edgebanding machines or pre-melting units. The adhesive melts and flows very well, can be processed very easily and does not string. REDOCOL Kantomelt PUR LM is particularly distinguished by its extremely high initial strength and produces tight joints with small applied quantities. It has very high water and heat resistance.

Application

REDOCOL Kantomelt PUR LM hotmelt adhesive is designed for bonding the following edging materials: ABS, veneer, melamine, 3D acrylic, PP, and PVC. The suitability of the edgings should be tested beforehand (test bonds).

Processing Information

The machine/pre-melting unit must be adjusted according to the machine manufacturer's instructions. REDOCOL Kantomelt PUR LM can be processed in the usual way. Good results are obtained under the following conditions:

Room temperature	18 - 35 °C
Humidity	30 to 60 %
Processing temperature	130 - 150 °C
Feed speed:	at least 10 m/min.

The strength and stability of the joints partly depends on the proportion of joint surfaces to which the adhesive is actually applied.

Storage and Shelf Life

Store REDOCOL Kantomelt PUR LM up to 9 months in a cool and dry place, sealed in securely closed original containers.

Cleaning

After usage we recommend that the machine is thoroughly cleaned by using a special cleaner. Once cured, PUR hotmelt adhesive can only be loosened using aggressive solvents, before being removed mechanically. The machine manufacturer's guidelines must be observed at all times.

Chemical-technical data

Based on	polyurethane (PUR)
Delivery Form	2 kg block
Colours	natural, white
Viscosity (Brookfield)	≈ 55,000 mPa.s
Softening point (Kofler)	≈ 85 °C
Heat resistance	≈ 150 °C

Safety Instructions

The product contains residual amounts of monomeric diphenylmethane diisocyanate (MDI), which produces a measurable vapour pressure at the recommended processing temperature. In addition, the formation of harmful fission products in the melt is also possible. In order to ensure that the MDI is below the MAC value (0.005 ppm) during processing, effective extraction of the vapours must be provided. If the hot melt comes into contact with skin, do not remove any residual product forcefully; consult a doctor. The contents of the safety data sheet must be observed.

Product Characteristics

- non-labelled polyurethane hotmelt
- contains less than 0.1 % monomeric isocyanate
- reduces isocyanate vapours by up to 90 %
- high initial and final bond strength
- excellent moisture and heat resistance (>150 °C)
- chemical cross-linking within few days



Indications on previous leaflet editions that differ from this version are invalid.