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Everad[®] HRP 4010

High performing reactive PUR hotmelt

Description

Laminating adhesive with extra-long open time, low application temperature and increased initial strength. During the reaction with humidity, a polymer with specially high resistance against temperature influences and hydrolytic degradation is formed.

Delivery form:

185 kg drum.

Color:

Cream white or blue.

Suggested usage

Laminating adhesive with extra-long open time, low application temperature and high heat resistance.

Before using, ensure through testing that the product complies with the expected use.

Processing

The adhesive must be applied by an adapted equipment with nitrogen protection or a « on demand melting » in which only the needed quantity of glue is melted, the rest of the glue remains in the packaging. This reduces the thermal shocks and the characteristics of the glue remains.

The glue is applied in sufficient quantity on one side of the parts to assembly to ensure a good transfer on the other part during the open time of the glue. The polymerization of the glue is obtained with the humidity in the air and of the substrates and ended after 72 hours. It is important not to overheat the glue to avoid any damage of the glue.

Application range:

100-120°C.

Temperature (room and substrates):

18-20 °C.

Grammage:50-100 g/m², depends on substrates and adhesive gram**Open time:**

Long (> 5 min.), depends on substrates and adhesive grammage. Press the substrates together immediately after glue deposit during the open time of the glue.

Press:

Press firmly during a few seconds. As soon as the glue is completely cooled, the parts can be moved. The final polymerization will last some days.

Physical properties

Density:Approx. 1.10 g/cm³ (20°C).**Solid content:**

100%.

Viscosity:

Approx. 11 000 mPa.s at 120°C (Brookfield).

Viscosity measured after production. Values may fluctuate up or down during the storage of the product.

Frost resistance:

Not frost sensitive.

Film properties

Softness:

Soft.

Cohesion:

Cohesive.

Heat resistance:

High heat resistance (>100°C).

Working Safety

Please observe the instructions on the safety data sheet.

Storage

Cool and dry in unopened in original packaging 6 months

Guarantee

We guarantee the consistency and faultless quality of this product, manufactured in accordance with ISO quality standards, which has been developed on the basis of our long-standing experience with the recommended applications under the specified conditions. Material, processing, and application conditions may significantly influence product properties. Pre-application tests by the user are therefore essential. For non-specified applications or deviations in application conditions, we recommend that our technical support service be consulted first. Our general sales and delivery terms and conditions shall apply.