

Polymer ST 61

For high quality wood floor adhesives
with high strength and elasticity

Technical properties*

Appearance	colorless, transparent
Viscosity	approx. 35,000 mPas
Plasticizer	none
Tensile strength in formulation**	1-5 N/mm ²
Elongation in formulation**	80-230 %
Shore A in formulation**	30-70

*no specification data, ** formulation available upon request

Applications

Polymer ST 61 is a high quality polymer which is used for wood floor adhesive formulations.

Polymer ST 61 allows a high degree of flexibility for the formulations: adhesives with high strength and hardness are possible as well as soft adhesives with high elasticity.

Example I:

Tensile strength 1.65 N/mm²
Elongation 140 %, Shore A 53

Example II:

Tensile strength 4.4 N/mm²
Elongation 80 %, Shore A 73



Benefits

Polymer ST 61 is a silane-terminated polymer for formulations which meet the demands of ecolabels such as a "Blauer Engel" or "Ecodecode EC1".

The mechanical performance of Polymer ST 61 allows high dosages of fillers without compromising the tensile strength of the formulation.

Processing

When selecting raw materials, especially when it comes to fillers (e.g. CaCO₃), it is recommended to use products with the lowest water content possible. Fillers can be pre-dried before use.

Containers should be stored at a similar temperature to their surroundings as to reduce the chance for water condensation. This is of particular importance when materials are stored outside in the winter months.

It is necessary to keep all equipment used for processing clean and dry. Surfaces can be cleaned with volatile solvents, such as acetone, if necessary.

The product is activated for reaction once the catalyst is added or when exposed to moisture. After this time it must be kept in closed, dry containers.

Packaging

950 kg IBC

Samples: 1 kg aluminum packs

Shelf life

9 months when stored in closed containers at temperatures up to 104 °F (40 °C).

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(Status: August 2014)

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