

TEGOPAC® Bond 170

Technical Parameters

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|-------------------|-------------------------------|
| Appearance | colorless, clear liquid |
| Viscosity (25 °C) | approx. 30000 mPas |
| Density (25 °C) | approx. 1.0 g/cm ³ |
| Plasticizer | none |
| Solvent | none |
| | silane modified polymer |
| | lateral cross-linking groups |
| | ethanol release |

Application

TEGOPAC® Bond 170 is a silylated polymer that is used for production of neutral curing adhesives and sealants. The polymer is based on a unique polymer technology with lateral crosslinking groups. TEGOPAC® Bond 170 shows excellent through cure properties, improved water & thermal resistance and excellent elastic recovery properties. The low polymer viscosity allows quick & easy handling.

Due to the reactive groups in lateral position, curing starts in presence of moisture and a catalyst. Ethanol is released during the curing process.

TEGOPAC® Bond 170 is a flexible polymer to address a broad range of different applications:

- Liquid membranes (e.g. for roofing applications)
- Facade sealants (e.g. to address ISO 11600 requirements)
- High Modulus adhesives (e.g. for assembly of structural elements or sound & vibration dampening)
- Transparent adhesives & sealants (e.g. for invisible joints)



Benefits

- Low viscosity allows quick & easy handling
- Development of formulations with self-levelling properties or high filler load is possible
- Development of methanol-free formulations with convenient curing properties is possible
- TEGOPAC® Bond 170 do not contain solvents or plasticizers (100% polymer) which allows to develop solvent/plasticizer-free formulations.
- Excellent elastic recovery properties because of lateral cross-linking groups (e.g. for ISO 11600 requirements)
- Excellent “intercoat-adhesion/overcoatability” for applications where a second layer of formulation is applied after more than 24 hours
- High clarity of polymer allows to formulate very transparent, clear adhesives & sealants with good UV stability

Processing

Adhesives and sealant formulations containing TEGOPAC® Bond 170 can be easily operated at temperatures between 5 °C and 35 °C. To ensure maximum shelf life of your formulations it is recommended to use raw materials with low residual water content. Applying temperature and vacuum to remove residual water from the formulation during production is recommended. A standard chemical drying agent (e.g. Dynasylan® VTMO or VTEO) can be added to the formulation.

Packaging

950 kg IBC
Bulk delivery possible
Sample: 2 kg aluminum bottle

Shelf Life

In closed containers durable for 6 months.
Containers should be stored at ambient temperatures (5 – 25 °C) at a dry place.

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

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Trademark notice and legal notice

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