



Turbofix

Universal, permanently elastic, 1-component adhesive and sealant based on MS-hybrid-polymer, moisture curing, neutrally linkable, odourless, with high adhesive strength.

Free from solvents, silicones and isocyanates.

Application

Ideal for elastic bodings in building construction field, for metal-, devices, machine-, electro-, plastic-, ventilation- and air conditioning systems, motorcycle body-, wagon-, vehicle-, container- and shipbuilding. Turbofix is suitable for surfaces as wood, laminate, cork, steel, aluminium, plastic, concrete, stone, natural stone, insulating material, ceramic, etc.

Turbofix is ideally suitable where is a danger of silicon-soiling for the silicon sealants or where a retroactively varnish has to be done. Not suitable for the application on cover strips on copper. Approved according to DIN EN ISO 846 and therefore suitable for the application in ventilation facilities according VDI 6022.

Proofed and suitable for the application in food-contact.

Processing

Only applicable on clean, dry, and structural flawless surfaces free of grease. Adhesion on various surfaces without adhesion promoter. Zones stuck together can be spot-welded and be varnished "wet on wet" with the most standard commercial varnish. Furthermore Turbofix can be coated with powder coating after the curing and short-termed be charged as far as 200°C during the baking process. We recommend preliminary test bodings for all applications.

Cleaning of the surface

The substrate must be stable, clean, dust-, oil- and fat-free. Good results can be achieved with rubbing alcohol.

Adhesion promoter

On many clean substrates a good adherence can be achieved without adhesion promoter. However, it should always be tested, if the cured product is exposed to big fluctuations in temperature or has contact with water. In that case, and with absorbent or difficult substrates, we always recommend the application of Adhesion promoter V21 in advance. On non absorbent substrates we recommend the application of Adhesion promoter V2.

Tooling

We recommend tooling the joints with tooling solvent and eventually using help-tools for joints.

Work and environment safety

Important information on the work and environment security you can find in the safety data sheet.

Chemical resistance

- **good** to water, aliphatic solvents, oils, greases, diluted inorganic acids and alkalis
- **moderate** to esters, ketones and aromatics
- **not resistant** to concentrated acids and chlorinated hydrocarbons
- **completely weather-resistant**

Turbofix is paintable.

Because of the diversity of varnishes and paints on the market, we recommend a preliminary test. Using paints based on alkyd resins the drying process may be hold up.

If Turbofix is applied to painted or plastered substrates, a sufficient drying time of the paint / plaster must be kept (in general 10 days).

After cleaning with acetone, joints can be varnished at any time.



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Technical data

Shore-A-hardness (DIN 53505) after 3 weeks of storage at 23°C / 50% H.R.	60	Density at 23°C / 50% H.R.	1.54 ± 0.05 g/cm ³
Modulus elongation at 100% and 23°C (DIN 53504 S2) Storage during 7 days at 23°C / 50% H.R.	ca. 1.6 N/mm ²	Change of volume (DIN EN ISO 10563)	≤ 8 %
Elongation at break (DIN 53504 S2) Storage during 7 days at 23°C / 50% H.R.	ca. 250 %	Temperature resistance	- 40 °C to + 90 °C
Elastic recovery (DIN EN ISO 7389) at elongation of 100%	n.a.	Application temperature	+ 5 °C to + 40 °C
Tensile strength (DIN 53504 S2) Storage during 7 days at 23°C / 50% H.R.	ca. 2.3 N/mm ²	Temperature of the substrate	+ 5 °C to + 40 °C
Movement capability	n.a.	Colours	white, grey, black, other colors on request
Consistency	stable	Packaging	cartridges of 310 ml in boxes of 12 pieces other packaging on request
Tooling time at 23°C / 50% H.R.	max. 10 min.	Shelf life	18 months from production date Further information on request
Curing through at 23°C / 50% H.R.	after 24 h: ≥ 2.0 mm after 48 h: ≥ 3.0 mm	Storage conditions	cool and dry
		Meets the specifications	AC-plants according to VDI 6022 ISEGA (food production area)