

Merbenit HT50

Merbenit HT50 is a permanently elastic adhesive with high initial tack. Adheres thanks SMP base to various materials and surfaces. Merbenit HT50 is also approved for use in foodstuff related areas.

Product advantages

- High initial adhesion
- Simple processing
- Free of solvents, isocyanates and silicones
- Very wide adhesion range
- Odourless
- Compatible with paints
- Shortly resistant up to +200°C for powder and thermal coating
- Very stable
- Adjustable
- Permanently elastic from - 40°C to + 90°C
- Very good sealing properties
- Very good durability
- Non-corrosive on surfaces
- Impact and vibration resistant (shock absorbing)
- Very suitable for Minergie-ECO

Technical data

Chemical base	Silane modified polymer
Mechanism of curing	1 comp. moisture curing
Shore A hardness, DIN 53505	50
Modulus elongation at 100%, DIN 53504 S2	ca. 1.8 N/mm ²
Elongation at break, DIN 53504 S2	ca. 250%
Tensile strength, DIN 53504 S2	ca. 2.9 N/mm ²
Consistency	stable
Tooling time	max. 8 min.
Curing rate after 24h	≥ 3.0 mm
Curing rate after 48h	≥ 4.5 mm
Density	1.48 ± 0.05 g/cm ³
Volume change, DIN EN ISO 10563	≤ 6%
Temperature resistance after curing	- 40 °C to + 90 °C
Application temperature	+ 5 °C to + 40 °C

All measurements were performed under normal conditions (23 °C and 50 % relative humidity).

The data are based on the results after 3 months.

Application

Flexible, immediate supporting bond in the area of metal, apparatus and machine construction, plastics technology, air-conditioning and ventilation systems, car body, wagons, vehicles and container construction. For non-supported bonds and where a fast, continuous working process is required. Bonding in areas of food processing industries.

Substrate range

Suitable materials are metals, powder-coated, varnished, galvanised, anodised, chromed or hot zinc dipped surfaces, various plastics, ceramics, stone, concrete and wood. Due to the large variety of different plastics and compositions as well as materials which are susceptible to cracks, preliminary tests are recommended.

Meets the standards

- ISEGA (food production area)
- eco-bau 1st priority ECO-BKP

