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TECHNICAL DATA SHEET

ergo® 6521 Hybrid-Polymer (transparent)

Elastic, transparent single-component sealant and adhesive.
The product does not contain solvents, isocyanates or silicones.
For bonding as well as sealing in carbody-, waggon-, container- and boatbuilding applications.
Also suitable for mechanical engineering and applications in air-conditioners and ventilation technologies.

Advantages

- good adhesion to glass, wide range of metal, varnished and primed surfaces
- good adhesion to wooden as well as to mineral substrates, to thermoplastics (except PE, PP, PTFE, PS, PC and some ABS qualities)
- resistant against humidity, weathering and temperatures from -40°C up to +90°C (up to +120°C for short intervals)

Properties of liquid product

Chemical Base	Hybrid-Polymer
Appearance	pasty, spreadable with a blade, stable
Colour	transparent
Density at 23°C	~ 1,01 g/cm³
Skinning time at 23°C/50%rh	~ 10 minutes
Curing progress at 23°C/50%rh	after 24 h : 3 mm
Change of weight (DIN 50014) (after 14 days)	~ 1 %

Typical properties of cured product

Tear Strength (DIN 53504 S2) storage 7 days at 23°C/50%rh	~ 2,0 N/mm²
Elongation at break (DIN 53504 S2) storage 7 days at 23°C/50%rh	~ 300 %
Shore-A-hardness (DIN 53505) storage 28 days at 23°C/50%rh	~ 35

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Thermal range	-40°C up to +90°C (shortly +120°C)
Working temperature	+5°C up to +30°C
Packaging	cartridges à 310 ml
Storage conditions	cool (no longer period > 25°C) and dry
Storage stability	12 month in original box

Usage

Good adhesion to clean, dry and grease-free surfaces (cleaned either with erg® 9190 or ergo® 9195) even without Primer. For best results we recommend the use of Primer ergo® 6950 (non absorbing surfaces) or of Primer ergo® 6960 (absorbing surfaces)
Please check the compatibility with varnish and plastic in advance

Apply ergo® 6521 with a common putty gun. The thickness of the needed layer depends on expected forces and relative movements.
The curing process is influenced by layer thickness, temperature and humidity

Special consideration

Not suitable for glass bonding with permanent UV radiation to the bonded area
If used on PMMA, it might cause stress-cracking

Safety

Please read our MSDS and the labels carefully before use