

TRANSPARENT

TRANSPARENT ELASTIC ADHESIVE

Professional super quality 100 % transparent elastic adhesive, created on the basis of the innovative POWER-BOOST technology, suitable for making invisible joints between different materials.

PROPERTIES

- Transparent elastic adhesive.
- For internal and external use.
- Excellent adhesion to: concrete, marble, ceramics, porcelain, glass, PVC, polyester, cork, aluminum, sheet metal, wood... (it is not suitable for PE, PP, PTFE).
- Good extrudability even at low temperatures.
- Does not slump in vertical joints.
- Excellent mechanical properties.
- Environmentally friendly; solvent, isocyanate and silicone free.
- Chemical neutral adhesive, does not damage the surface.
- It does not cause corrosion.
- Odourless.
- Can be overpainted, solvent-based coatings are not recommended.
- No volume change during curing, no shrinkage.
- Resistant to weather conditions, UV light and aging.
- Chemical resistance
 - good: water, aliphatic solvents, mineral oils, fats, dilute inorganic acids and bases;
 - poor resistance or no resistance to: aromatic solvents, concentrated acids, and chlorinated hydrocarbons.
- Color: transparent.

AREA OF USE

- Bonding and assembling different materials and making invisible joints.
- Elastic bonding of parts of structures subject to vibration.
- Invisible bonding of glass and other transparent and translucent materials.

TECHNICAL DATA

Fresh adhesive

Base:		hybrid STP polymer
Appearance:		paste
Curing mechanism:		with air humidity
Specific gravity:		1060 ± 10 kg/m ³
Skin formation time:	23 °C/50 % rel. humid.	15-25 min.
Curing time:	23 °C/50 % rel. humid.	2-3 mm/day
Application temperature:		from +5 °C to +30 °C



Cured adhesive

Hardness Shore A:	ISO 868	30-35
Loss of volume:	ISO 10563	< 1,0 %
Tensile strength:	ISO 8339	0,9-1,2 MPa
Module E 100 %:	ISO 8339	0,7 MPa
Elongation at break:	ISO 8339	200 ± 50 %
Tensile strength:	ISO 37	1,90-2,30 MPa
Elongation at break:	ISO 37	200-250 %
Temperature resistance:		from -40 °C to +90 °C

INSTRUCTION FOR USE

- Apply the adhesive directly from the cartridge.
- The surfaces to be bonded must be solid, clean, non-greasy and dust-free.
- To improve adhesion to certain surfaces, apply an appropriate primer.

Adhesive bonding procedure:

- Apply the adhesive over the entire surface or to the edge of the surface that is not visible or covered.
- Place the object to be bonded in the desired place no later than 15 minutes after applying the adhesive.
- When bonding heavier objects, use additional mechanical fixing until the adhesive cures (2-3 mm/day at 23 °C; 50 % humidity).
- Loading is possible after 48 hours.
- Uncured adhesive can be cleaned with alcohol and hardened adhesive can only be removed mechanically.

PACKAGING

- 290 ml cartridge and 125 ml tube.

STORAGE

15 months in dry and cool places at a temperature between 5 °C and 25 °C in the original sealed packaging.

HEALTH, SAFETY, HANDLING AND DISPOSAL INFORMATION

Additional safety information, safe handling instructions, information on personal protective equipment, and disposal information can be found in the safety data sheet. The safety data sheet is available on request. You can also obtain a copy from your TKK sales representative.

WARNING

The instructions are based on our tests and practical experience. However, due to specific conditions and working methods we recommend preliminary tests for each application.



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