

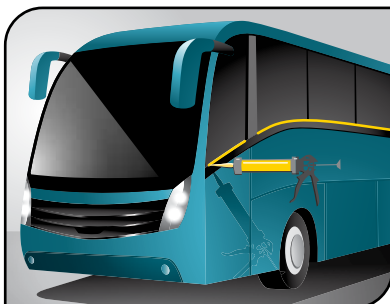
TEKAFIX WINDSCREEN

PROPERTIES

- Excellent adhesion to most substrates present in windscreen bonding and sealing applications even without a primer.
- Excellent adhesion also on various types of metal, ceramics, varnished wood, various types of plastic, polycarbonate, PVC.
- For long-lasting bonds and protection against the impact of air humidity, mechanical and temperature shocks and vibrations.
- Good output even at low temperatures.
- Does not slump in vertical applications.
- Good adhesion on moist surfaces.
- Excellent mechanical properties, high adhesive strength.
- Environment friendly; solvent-, isocyanate- and silicone-free.
- Totally chemically neutral and odourless.
- It can be painted with most epoxide-, polyurethane- and water-based paints and coatings.
- During hardening a shrinkage of less than 1,5% is observed.
- Resistant to atmospheric effects, UV-light and ageing.
- Does not cause corrosion.
- Electrical resistance: high
- Chemical resistance:
 - good chemical resistance: water, aliphatic solvents, mineral oils, fats, diluted inorganic acids and bases;
 - poor chemical resistance/not resistant to: aromatic solvents, concentrated acids and chlorinated hydrocarbons.
- Colour: black.

USE

- For sealing and bonding of windscreens and other types of screens to the body of passenger cars, coaches, trains, vessels, trailers, forklifts and tractor cabins.
- For sealing and bonding of front, rear and side screens to the body of passenger cars, trailers, forklifts and tractor cabins.
- For construction bonding in the industry of coaches, trains and machinery.
- For highly demanding industrial applications.
- For sealing and bonding in the industry of machinery, ventilation and air-conditioning devices and in the power generation industry.



Tekafix Windscreen

This one-component, elastic, fast-curing adhesive and sealant with excellent mechanical properties and high end strength is an excellent solution for windscreen bonding and sealing applications.



Withstands heavy loads



Fast hardening



UV resistance

TECHNICAL DATA

Fresh sealant

Base		MS-polymer
Appearance		paste
Curing mechanism		by air humidity
Specific gravity		1470±30kg/m ³
Skin formation time	23°C/50% rel. humid.	15±5min.
Hardening time	23°C/50% rel. humid.	2–3mm/day
Resistance to flow	ISO 7390	1–2mm
Application temperature		between +5°C and +30°C

Cured sealant

Hardness Shore A	ISO 868	45–55
Tensile strength	ISO 8339	1,7±0,3MPa aluminium 1,7±0,3MPa glass
Module E 100%	ISO 8339	1,2±0,3MPa aluminium 1,2±0,3MPa glass
Elongation at break	ISO 8339	200±50% aluminium 200±50% glass
Tensile strength	ISO 37–1	2,3±0,3MPa
Elongation at break	ISO 37–1	250±50%
Temperature resistance between		-40°C to +90°C

APPLICATION

Joint and surface preparation

Before applying the adhesive make sure the surface is clean, dust and grease-free, solid and without any badly attached pieces. The surface should be cleaned with Teka Cleaner; wipe the surface well with a cloth to remove any impurities and residues of Teka Cleaner.

To increase durability of the adhesive it is recommended that you protect the surface to be bonded, namely:

- only bond glass with a protective ceramic lining on the inner side;
- apply a rubber gasket over the bonded surface on the external side of the glass.

Windscreen bonding procedure:

- Apply a 3mm thick double-sided Tekafix fixing tape on a clean surface on which you intend to fix a windscreen element. The tape provides a temporary support to the adhesive during the curing process. It also enables that the layer of the sealant is evenly applied which is of extreme importance if you wish to achieve optimal results of bonding procedure.
- Tekafix Windscreen should be applied using a hand-held gun. Use a nozzle which enables a triangular outflow of the adhesive (Picture 1).
- Apply the adhesive on the outer side of the double-sided Tekatrak fixing tape. Leave at least a 10mm gap between the applied adhesive and the tape.
- Remove the upper protection layer of the double-sided tape and put the windscreen in place immediately. Press hard in order to ensure a perfect joint between the windscreen, the adhesive and the double-sided fixing tape.

Correct triangular bead application of the adhesive

$$H = 9-12\text{mm}$$

$$a = 9-12\text{mm}$$

PACKAGING

- 290ml cartridge
- 600ml sausage

STORAGE

12 months in a dry place at a temperature between +5 and +25°C in originally closed packaging.

HEALTH, SAFETY HANDLING AND DISPOSAL INFORMATION

Additional information on safety, safe handling instructions and personal protective equipment as well as disposal information are available in a safety data sheet. Safety data sheet is available upon request. You can also ask your TKK distributor for a copy.

WARNING

Instructions contained in this document are based on our research and experience, however, due to specific conditions and working methods we recommend that you perform preliminary tests prior to any application of our products.