



TRANSPARENT POWER

PRODUCT DESCRIPTION

Fi-X.expert TRANSPARENT POWER is a professional super-quality 100% transparent elastic adhesive, created on the basis of the innovative POWER-BOOST technology, suitable for making invisible joints between various materials.

PROPERTIES

- Excellent adhesion to granite, marble, natural rock, ceramics, porcelain, glass, mirrors, PVC, polyester, polycarbonate, cork, aluminum, sheet metal, wood, etc. (not suitable for PE, PP, PTFE);
- Easily applied to somewhat wet surfaces;
- Good extrusion properties in low temperatures as well;
- Doesn't slip on vertical surfaces;
- After hardening it achieves excellent mechanical properties;
- Ecological – doesn't contain diluents, isocyanate and silicones;
- Chemically neutral and odorless, doesn't cause corrosion;
- Doesn't leave stains;
- It is easily painted-over (we do not advise paints and coats based on diluents);
- Suitable for external and internal use, resistant to UV, ageing and water;
- Chemical resistance:
 - Suitable for short-term exposure to aliphatic diluents, mineral oils, diluted anorganic acids and bases;
 - Poor chemical resistance to aromatic diluents, concentrated acids, carbohydrates;
- Color: transparent.

AREA OF APPLICATION

- For adhesion and connection of various materials and for creating invisible joints;
- For elastic adhesion of parts of structure which are exposed to vibrations;
- For invisible adhesion of glass and other transparent materials.

PACKAGING

290 ml cartridges.

STORAGE

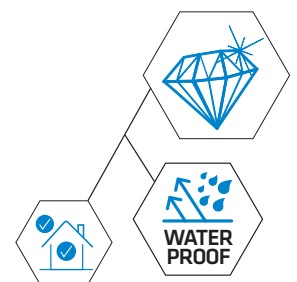
12 months in a dry space at a temperature between 5°C and 25°C and in original sealed packaging.

SIGURNOSNE MERE

When working with the Fi-X.expert TRANSPARENT POWER adhesive, no special safety measures are necessary.

WARNING

Instructions were given based on our research and experience, but due to specific conditions and methods of work, we recommend prior testing for each case of use.





TECHNICAL DATA

Fresh mass

Base		MS polymer paste
Appearance		air humidity
Hardening mechanism		1060±10 kg/m ³
Specific weight		10-20 min
Skin formation time	23°C/50% relative humidity	2-3 mm/day
Hardening time	23°C/50% relative humidity	from 5°C to 30°C
Application temperature		

Hardened mass

Hardness Shore A	ISO 868	30-35
Volume change	SIST ISO 10563	< 1%
Tensile strength	SIST EN 28339	0,9-1,2 MPa
Module E 100%	SIST EN 28339	0,7 MPa
Elongation at break	SIST EN 28339	150-250 %
Tensile strength	ISO 37 part 1	1,90-2,30 MPa
Elongation at break	ISO 37 part 1	210-250 %
Temperature resistance		from -40°C to 90°C

INSTRUCTIONS FOR USE

- The adhesive may be applied within a temperature interval between 5°C and 30°C;
- The adhesive is applied directly from the cartridge;
- The surfaces to which the adhesive is applied have to be clean, degreased and without dust;
- The surfaces to which the adhesive is applied may be wet to a certain degree;
- For better adhesion, we may use appropriate pre-coating.

ADHESION PROCEDURE

- We apply the adhesive in line or in spots (air humidity passage must be provided);
- The object to which the adhesive is applied should be put in the desired place 15 minutes after adhesion at the latest;
 - During adhesion of heavier objects, additional fixation should be used, until the adhesive hardens (2-3 mm/day at 23°C; 50% relative humidity);
- The non-hardened adhesive may be removed with alcohol, but the hardened adhesive can only be removed mechanically.

POWER-BOOST TECH

