



# TOTAL GRIP

## PRODUCT DESCRIPTION

Fi-X.expert TOTAL GRIP is a professional super-quality all-round adhesive, created on the basis of the innovative POWER-BOOST technology, with a remarkably wide specter of adhesion to various materials and with a resistance to mold.

## PROPERTIES

- Excellent adhesion to concrete, brick, marble, plaster, ceramics, wood, chipboards, anti-slip waterproof plywood, aluminum, iron, sheet metal, brass, glass, Plexiglass, mirrors, Styrodur (XPS), Styrofoam (EPS), PVC, ABS, polyester, polycarbonate, cork, 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 silicone;
- 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, chlorinated carbohydrates;
- Color: white.

## AREA OF APPLICATION

- For adhesion, connection and sealing of various construction materials;
- For elastic adhesion of parts of construction which are exposed to vibrations;
- For performing dilatation slots.

## PACKAGING

290 ml cartridges.

## STORAGE

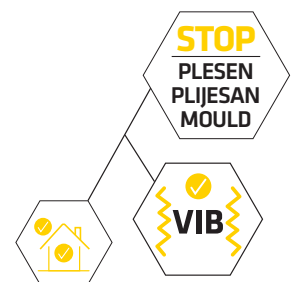
12 months in a dry space at a temperature between 5°C and 25°C and in original sealed packaging.

## SAFETY MEASURES

When working with the Fi-X.expert TOTAL GRIP 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

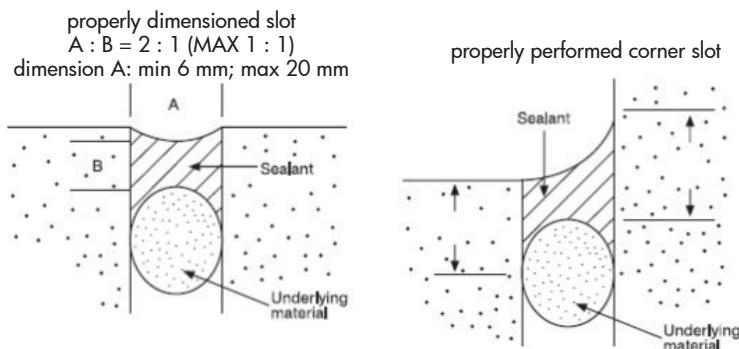
Base		hybrid polymer paste
Appearance		air humidity
Hardening mechanism		1500±40 kg/m <sup>3</sup>
Specific weight		25±5 min
Skin formation time	23°C/50% relative humidity	2-3 mm/day
Hardening time	23°C/50% relative humidity	from 5°C to 40°C
Application temperature		

### Hardened mass

Hardness Shore A	ISO 868	40-45
Volume change	SIST ISO 10563	< 1%
Tensile strength	SIST EN 28339	1,4-1,8 MPa
Module E 100%	SIST EN 28339	> 1,0 MPa
Elongation at break	SIST EN 28339	250-350 %
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);
- Sealing procedure:
  - Before we begin sealing, outer edges of the slot should be protected by a protective self-adhesive tape;
  - The slot should be dimensioned in accordance with the pattern below:



- After applying the adhesive, the slot should be smoothed with a smoothing accessory or finger;
- After smoothing and before hardening (< 15 min at 23°C; 50% relative humidity) the self-adhesive tape should be removed from the surrounding area of the slot;
- The non-hardened adhesive may be removed with alcohol, but the hardened adhesive can only be removed mechanically.

POWER-BOOST TECH