

EXPERT LINE PROFESSIONAL CHEMICAL ANCHOR

PRODUCT DESCRIPTION

Expert Line PESF TOP styrene-free polyester anchor designed for fastening in lightweight and ceramic materials such as aerated concrete and solid brick. Thanks to the use of a special mesh sleeve, it is possible to install in materials with holes, such as Porotherm and hollow bricks. The absence of stress in the substrate allows the anchor to be used at very small distances from each other and from the substrate edge. Thanks to its high adhesion to the substrate and extreme hardness, it creates an adhesive-shaped connection with the highest strength parameters. Chemical anchoring is the safest fastening method for both solid and hollow materials.

APPLICATION

- › can be installed in solid, light, soft and ceramic substrates
- › can be installed in substrates with holes, hollow;
- › can be installed at small distances from the edge of the substrate and between anchors (more details in the technical data);
- › possibility of fastening galvanized threaded rods of class 5.8, 8.8 and stainless steel A2, A4 of various diameters and lengths in concrete;

PRODUCT PROPERTIES

- › Foam with increased yield up to 65l.
- › Has excellent stability (no shrinkage).
- › Cures by moisture in the air.
- › Shows excellent thermal insulation and sound-proof parameters.
- › Resistant to mould and fungi.

Technical Data Sheet (TDS)

CHEMICAL ANCHOR

TECHNICAL PARAMETERS

Colour	Light yellow
Working temperature	from +5°C to +30°C
Can temperature	from +10°C to +30°C (optimally +20°C)
Foam yield* * depends on air humidity and temperature, can temperature, quality of foam dispensing gun, worker's skills	up to 65 l
Skin formation time	4-8 min. (20°C, RH 50%)
Cutting time	25±10% [min.]
Full hardening time	24 h
Increase in height (expansion degree) of the foam applied in the gap), %	68±10%
Thermal resistance (upon hardening)	from -50°C to +90°C
Thermal conductivity λ	0,036 W/(m·K)
Water absorbability after 24 hours in water when partially immersed	≤1 kg/m ²
Inflammability	B3 (DIN 4102)
Solubility in organic solvents	acetone, before hardening

The above table is for informational purposes only

DELIVERY FORM | PACKAGE

Cartouche, 300 ml

DIRECTIONS FOR USE

Solid substrates:

- Drill a hole of the appropriate diameter and depth (given in the "Mounting Parameters" table)
- Remove drill cuttings from the hole by using the hand pump and cleaning rod at least four times.
- Place the Expert Line cartridge in the dispenser (a standard silicone dispenser can be used) and attach the mixing nozzle.
- When starting a new container, discard some of the resin until the mixture is uniform in color. Then, fill the hole 2/3 full with resin, starting from the bottom and slowly working your way up.
- Immediately after dispensing the resin, insert the rod into the hole with a twisting motion. Remove any excess resin that has flowed out of the hole.
- After the appropriate setting time (see the "Setting and Installation Time" table), insert the fastener, washer, and nut. Tighten the connection to the appropriate torque (see the "Installation Parameters" table).

Substrates with holes:

- Drill a hole of the appropriate diameter and depth (given in the "Mounting Parameters" table)
- Place the mesh sleeve in the hole

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- Place the Expert Line cartridge in the dispenser (a standard silicone dispenser can be used) and attach the mixing nozzle
- When starting a new container, discard some of the resin until the mixture is uniform in color. Then, fill the entire barrel with resin.
- Immediately after dispensing the resin, insert the rod into the hole with a rotating motion. Remove any excess resin that has flowed out of the hole.
- After the appropriate setting time (see the "Setting and Installation Time" table), insert the fastener, washer, and nut. Tighten the connection to the appropriate torque (see the "Installation Parameters" table).

STORAGE AND EXPIRY DATE

Store in a dry, cool and well-ventilated place, in an upright position, in the original closed container. Keep away from heat, open flames and other ignition sources. Recommended storage temperature is from +5 °C to +30 °C (optimally +20 °C). Storing the product in conditions other than recommended may result in shortening its lifetime by up to 3 months. Do not store the product in the cabin of a car. Transport only in the trunk.

Expiry date: 18 months. Store and use before the expiry date indicated on the bottom of the container.

HEALTH AND SAFETY RECOMMENDATIONS

When using this product, normal occupational hygiene rules should be followed. Keep out of reach of children. Before use, familiarize yourself with the conditions for safe use of the product on the packaging and in this technical data sheet. Detailed information on the safety of use and hazards posed by the product is included in the Material Safety Data Sheet.

With the publication of this data sheet, all previous editions become invalid. Release: 01/25

The product information contained in the technical data sheet is the result of conducted research. With regard to the possibility of using the product (point 3 of this technical data sheet), they should be treated only as recommendations resulting from the manufacturer's experience. Due to the numerous application possibilities and a wide range of work methods using the product, the Manufacturer does not bear any responsibility in this respect, and in particular is not responsible for the consequences of improper use of the product or the effects of work involving the product. Product information is valid only in its most current version.

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