



PRODUCT Nº : 3139

## SAT KLEBEN

### EPOXY RESIN FOR FIXING ANCHORAGES BY INJECTION

#### DESCRIPTION:

SAT KLEBEN is a two component product based in epoxy resins and hardeners, predosed inside the cartridge where they are mixed when the extrusion and applied by injection for fixing and quick and durable anchorages of rods, screws, steel bars, etc. in a large range of materials such as stone, concrete, brick, granite, marble, etc. Its use allows anchorages in short time even with low environmental temperatures.

#### CHARACTERISTICS:

- Easy application
- Excellent bonding to a large range of materials.
- Good chemical resistances
- Quick hardening
- Resistant to the immersion in water
- Excellent mechanical properties
- Perfect for horizontal and vertical anchorages in hollow or compact substrates

Technical data:

- Density at 23°C: 1,05 ± 0,05 gr/cc
- Viscosity at 23°C: 250000 cps
- Hardening:

Temperature	Hardening	Completely hard	Total curing
30°C	6 min	20 min	19 h
23°C	8 min.	30 min.	20 h
15°C	10 min.	40 min.	22 h
10°C	15 min.	50 min	24 h
5°C	20 min	70 min.	30 h

- Tensile resistance at 23°C: 800 ( kg/cm<sup>2</sup> )
- Elongation: 5-6 %

#### APPLICATION FIELD:

Quick and durable fixing of anchorages of screws, steel bars and rods in concrete, stone, brick, marble, etc.

#### SURFACE PREPARATION:

Surface must be dry and clean of grease, oil, loose particles, dust or any other pollutant. Drill according to the diameter of the element to be anchored (picture 1). Once made the drill, clean perfectly the hole of rests of material and powder, with the help of a cylindrical whisk and pressured air (pictures 2 and 3). The diameter and the depth depend on the diameter of the rod or corrugated bar.

If the product is to be applied in hollow materials, it is necessary to place previously a fine sieve of glass fibre inside the hollow.



Ø Rod	Ø Drill	Hole depth	Minimum thickness of the concrete	Approximate consumption in ml.
M8	10 mm	80 mm	100 mm	2,26
M10	12 mm	90 mm	120 mm	3,11
M12	14 mm	110 mm	140 mm	4,49
M16	18 mm	125 mm	170 mm	6,70
M20	24 mm	170 mm	220 mm	23,50
M24	28 mm	210 mm	270 mm	34,30
M27	30 mm	240 mm	300 mm	32,20
M30	35 mm	270 mm	340 mm	69,00

#### APPLICATION METHOD:

Before injecting the product, be sure that the hole, rods or bars are **clean and dry**. Place the cartridge inside the gun. Untwist the stopper and put away the plug. Twist the mixer and press the trigger of the gun. Lay aside the first 10 ml. of product. Place the mixer in the bottom of the hole (picture 4) and withdraw as the hole is being filled. Place the rod (picture 5), screw or corrugated bar. Wait enough time until the product hardens, depending on the temperature for the placing of the nuts (picture 6).

Untwist the mixer and clean the mouth-piece with paper or a cloth. Place the plug to avoid that the components be mixed and twist the stopper. This way we can use the cartridge again in the future.

#### SPECIAL RECOMMENDATIONS:

- Do not apply with temperatures under 5° C or with relative moisture superior to 90%.
- Do not apply inside dirty or damp holes.
- The metallic elements to be anchored, will be clean of rust, grease, oil or any other pollutant.

#### PRESENTATION AND STORING:

SAT KLEBEN is presented in plastic cartridges of 380 ml. net. Store in a dry and fresh place protected of high temperatures. In these conditions and without been opened the cartridge, the product has a store life of 1 year.

Ed. 2004/1