

Product

ELASTOSTAR K

code 4687 9005

SINGLE COMPONENT WATERPROOFING COVERIING APPLICABLE IN FLUID STATE, BASED ON MOISTURE CURING POLYURETHANE-TAR ELASTOMERS

Features

- Can be used to create a layer with no joints, highly elastic, with thickness of more than 1 mm, both horizontally and vertically.
- Excellent water resistance and protection against water vapour.
- Good resistance to atmospheric agents, even in industrial and marine environments.
- Resistance to acid, alkaline and saline solutions, and aggressive fumes and vapours.
- Excellent resistance to soil components.
- Applicable to the support from +5°C upwards.
- Operating temperature from -30°C to +90°C (in air), +35°C (in immersion).

Application field

- Anti-corrosion, waterproof, elastic covering for concrete structures, including channels, piping, tanks, purification systems, the outside of ducts and underground conduits, etc.
- Waterproofing of foundations, hanging gardens, underground car parks, brickwork in contact with the soil, etc.
- Internal covering of digestion systems for the production of biogas.
- Waterproofing of guttering and valleys.

Application

Single component product ready for use after homogenisation. Can be applied by brush or scrubbing brush, and may be diluted by up to 5% with DILUENTE 15 thinner. For airless spray application, dilute with 5% of DILUENTE 15 thinner using 0.021"-0.025" nozzles and pressures of at least 200 bar. After opening, the contents of the packs should be used up within the working day.

ELASTOSTAR K has to be applied in two layers, to a total thickness of around 1000 microns.

Concrete surfaces should be in good condition, compact and free of flaking parts and dust, and should be treated with DUROGLASS FU BIANCO TIX. The tools should be washed immediately after use with DILUENTE 15 thinner.

Technical data

Color	black
Specific weight	1.09 ± 0.02 Kg/l

Viscosity at 20°C	12,000 ± 4,000 MPa.s
Theoretical consumption	760 g/m ² for coat
Thickness	500 microns
Solids (15 days at 35°C)	75% by weight, 70% by volume
Hardening at 22°C, RH 50%	- dry to the touch 10 hours - hardened in depth 24 hours - over-application 4 hours minimum 48 hours maximum - completely hardened 30 days
UNI EN 12311-2 stretching to breaking point*	> 900%
UNI EN 12311-2 traction resistance*	> 3.5 MPa
ASTM D 2240 Shore A hardness	40 ± 5
ASTM D 4541 adhesion to concrete	> 2.5 MPa
Storage	If kept in the original sealed packs in a dry, protected place at temperatures of +5°C to +35°C, the product will keep for 12 months.

* 1000 micron sheets hardened for 30 days at 22°C, RH 50%, +48 hours at 45°C

All data and prescription reported on the present data sheet are based on the best lab and practical experience and should anyhow be considered as indicative. Considering all different uses and the occurring of situations and conditions independent from MPM (substrate, climate conditions, technical management etc. Those who intend to use the product should verify whether it is suitable for the specific conditions in which it will be applied before starting. MPM's responsibility covers the quality and productions standards referring to the above listed data only. Data should also be verified for latest available version of data sheets which could be surpassed by a new version. Data may change any time without notice from MPM.