

Product

STARFER 2

cod. 6700 9006
9372 0000

TREATMENT AGAINST WEAR AND TEAR, DUST AND SLIP, FOR OUTSIDE SURFACES WITH POLYURETHANE RESIN BASE, WITH ALIPHATIC ISOCYANATES AND GLASS MICROSPHERES

Features

- High adhesion to carbon steel.
- Excellent synergy between inhibiting and cement bonding power and the anti-oxidant capacity of the additives.
- Excellent mechanical characteristics.
- Unlimited over-application.
- Highly fixotropic with good filling capacity.
- Can be applied to the support from +5°C to +45°C.
- Operating temperature in air from -35°C to +100°C.

Application field

Protection of exposed reinforcing rods in the repair and conservation of reinforced concrete structures.

Application

Two component product to be mixed carefully at the time of use with a mechanical agitator.

Can be applied undiluted with a brush or diluted with a maximum of 1-2% water. The exposed reinforcing rods should be extracted as far as possible by removing all defective concrete surrounding them. The rods should be thoroughly cleaned. The ideal cleaning procedure is sanding up to grade Sa2½.

When cleaning with water jet or scarifying, the rods should be carefully brushed with steel tools before applying STARFER 2 if they show any signs of oxidisation.

This procedure should also be carried out in the case of operations that do not involve general cleaning.

In this case, the brushing operation should be particularly intense and precise, to eliminate the possible layer of oxidisation.

STARFER 2 is applied in a generous layer (2 mm) to carefully cover all the metal exposed.

In the case of rods near the surface that cannot be fully extracted, the product can also be used as a trimmer, provided a layer of at least 2 mm remains over the metal.

Wash the tools thoroughly with water after use.

Technical data

Color	grey
Specific weight	1.8 ± 0.01 Kg/l
Mixing ratio	100 parts by weight of liquid 30 parts by weight of powder
Viscosity at 20°C	fixotropic consistency
Pot life at 22°C	45 minutes
Theoretical consumption	2-4 Kg/m ²
Hardening at 22°C, 50% RH	- start of grip 60 minutes - hardened in depth 16 hours - over-application 16 hours minimum, maximum unlimited - completely hardened 28 days
Compression resistance* UNI EN 196-1	50 ± 5 MPa
Bending resistance* UNI EN 196-1	11 ± 1 MPa
Adhesion to sanded steel, ASTM D 4541	> 1.5 Mpa
Corrosion resistance ASTM B 117-64**	1,500 hours in saline mist with no rust formation
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. Avoid frost.

* Test samples seasoned for 72 in covered mould and 26 days in air at 22°C, 60% RH

** 2 mm layer on carbon steel sanded at grade Sa2½

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.