

Protixo

Anti-carbonation cement smoother

Product:

Protixo is a dry pre-mixed cement binder compound, containing selected inert silicates, chemical additives and synthetic resins. Used on horizontal or vertical, new or degraded concrete surfaces it allows a smooth and uniform layer to be applied with high resistance to aggression by chemical agents.

Advantages:

- Excellent adhesion to every kind of solid cement support.
- High resistance to aggression by atmospheric agents.
- Possibility of smoothing imperfections to 5 mm.
- Fine finishing.
- Optimal workability.

Field of application:

Smoother for horizontal and vertical surfaces, internal and external, on new or degraded concrete walls with irregularities not greater than 5 mm.

Finishing for concrete and cement plasters and restoration mortars in an environment highly exposed to CO₂ and SO₂ chemical aggression.

Suitable support:

Concrete, new and old cement supports provided they are stable.
Restoration mortars (Promalt, Prorip and Prores)

Product information data:

▪ Containers	25 kg bag
▪ Appearance	grey cement powder
▪ Specific weight	1.7 kg/l
▪ Granulometry	< 0.5 mm
▪ Average consumption per cm of thickness	3.5 kg/sq m

Application

Preparation of the supports:

The surfaces have to be seasoned, solid and clean of dirt or dust. Any oil, grease, wax or loose parts must be removed. Moisten the supports that are to be treated in advance.

Protixo

Anti-carbonation cement smoother

Methode of application:

Mix Protixo in a concrete mixer, or with a drill mixer in 5/5.5 l of clean water for every 25 kg bag until a smooth paste with a plastic texture is obtained. The product must rest for approx 10 minutes, then briefly re-mix and apply the product using a stainless steel spatula. The thickness for every coat is 2-3 mm. Pop-up spacing rods should be protected from chemical aggression with Fermalt and the covering restored with Prorip, Promalt or Prores. Finish with a trowel.

Technical data:

▪ Resistance coefficient to water vapour	$\mu > 130$
▪ Water in the mixture	20 % 22%
▪ Maximum thickness for every application	3 mm
▪ Maximum total thickness	5 mm
▪ Pot life	< 1 hour
▪ Compression resistance after 28 days	28.5 MPa
▪ Stiffness after 28 days	7 . 8 MPa
▪ Adhesion on concrete after 28 days	> 1MPa
▪ Usage temperature + 5 °C / + 35 ° C	
▪ Storage	12 months if kept in a dry place and in the original container
▪ Equipment	drill mixer, iron spatula and trowel

Please note:

Do not apply the product on overheated surfaces or in presence of strong wind or bright sunlight.

Do not apply on frozen supports or where there is a chance of intense cold within 24 hours of application

Do not apply on painted surfaces, chalk, plastic covering or lime plasters.

Keep surfaces humid for 24 hours after application.

Do not add water, cement or other mixed products.

All the above data relate to tests carried out in a controlled environment, and are therefore liable to change when the product is used.