

# Prorip *normale/rapido*

## ***Structural fibre-reinforced mortar***

### **Product:**

Prorip ( normale or rapido ) is a pre-mixed cement binder compound, containing selected inert silicates, with fibres and synthetic resins as chemical additives. Thanks to its high thixotropic and anti-shrink characteristics, degraded or new concrete hollows caused by the removal of blemished parts can be restored down to 2.5 or 3 cm without using any formwork.

### **Advantages:**

- Excellent adhesion to any kind of solid cement support. Imperfections from 5 to 30 mm can be smoothed.
- High mechanical strength ( it can also be used as a structural mortar ).
- Fine finish ( can also be painted over )

### **Field of application:**

For refurbishing horizontal and vertical surfaces, internal or external, on new or degraded concrete walls with cavities or detached parts.

For restoring screeds, steps, string courses, balconies, apron linings, pillars etc.

### **Suitable support:**

Concrete, new and old cement supports provided they are stable.  
Concrete blocks.

### **Product information data:**

- |   |                    |
|---|--------------------|
| ▪ Containers                              | 25 kg bag          |
| ▪ Appearance                              | grey cement powder |
| ▪ Specific weight                         | 1.9 kg/l           |
| ▪ Granulometry                            | < 1 mm             |
| ▪ Average consumption per cm of thickness | 19 kg/sq m         |

## **Application**

### **Preparation of the supports:**

The surfaces have to be seasoned, solid and clean of dirt or dust. Any traces of oil, greases, molds, loose parts must be removed. If necessary brush or sandblast the spacing rods, passivating them with a Fermalt cement slurry ( restoring within 2 hours ). Dampen the supports that are to be treated in advance.

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### *Structural fibre-reinforced mortar*

#### Method of application:

Mix Prorip normale / rapido in a concrete mixer, or with a drill mixer in about 4.5 l of clean water for every 25 kg bag until a smooth paste with a plastic texture is obtained. ( for Prorip rapido it is preferable to prepare the exact dose avoiding waste of the material. ). Prorip normale must rest for about 10 minutes, then briefly re-mix and apply the product using a stainless steel spatula. The thickness for every application must be not be greater than 3 cm. If necessary apply more than one layer until the desired thickness is obtained. Finish with a trowel.

#### Technical data and precautions for use:

	<b>NORMALE</b>	<b>RAPIDO</b>
▪ Water in the mixture	approx 16%	approx 16%
▪ Minimum applicable thickness	5 mm	5 mm
▪ Maximum thickness for every application	3 cm	3 cm
▪ Maximum total thickness	10 cm	10 cm
▪ Pot life	> 1 hour	5 minutes
▪ Setting time approx	2 hours	10 – 15 minutes
▪ Compressive strength after 28 days	3 5 M Pa	32 MPa
▪ Stiffness after 28 days	> 5 MPa	> 4,5 MPa
▪ Adhesion to concrete after 28 days	> 1 MPa	> 1 MPa
▪ Usage temperature	+5 ° C / 35 ° C	+ ° 5 C /35° C
▪ Storage	12 months kept in a dry place in original container.	
▪ Tools	concrete mixer, drill mixer, stainless steel spatula, trowel.	

#### Please note:

Do not apply the product on overheated surfaces, or in presence of strong wind or 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, plasterboard or plastic coatings.

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.