

## HYDRO+

**Description:** **Hydro+** mortar consists of cement, quartz sand and water-repellent additives. The addition of water results in a water-tight filler with a high resistance to the penetration of water and the migration of saltpeter.

**Fields of :** **Hydro+** mortar is utilised to achieve the water-tightness of basements, water collectors, swimming pools, foundation walls, showers. After treatment for rising damp, a base coat should be applied before plastering (physical anti-saltpeter barrier: minimum thickness 1cm).

**Instructions :**

**1) Waterproof cementing**

- **Preparation of the support:** Carefully strip all old filler (cement, plaster, etc.). The support must be stripped, undressed, clean, proper, free of dust and any traces of oil, paint (sandblast if necessary), etc.
- **Moisten the support.**
- Using a brush, apply slurry consisting of 1 part **Hydrobond** and 1 part **Hydro+**. This adherence coating must be liquid in order to penetrate the support properly.
- **Do not allow the adherence coating to dry.**
- Prepare the mortar: pour 4L - 4.5 L of water into a bowl and add one 25-kg bag of **Hydro+** while stirring well.  
Mix intensely using a mixer until a homogenous paste is obtained.
- Apply the mortar in 1 or 2 coats to obtain a thickness of 14-15 mm.
- During setting, avoid overly-rapid drying by moistening the surface regularly or by applying a plastic film.
- For casings and cisterns, all corners between the walls and between walls and floor ideally must be concave with a radius of +/- 4 cm.  
This finishing is very important since water infiltration most often occurs in these areas.

**2) Anti-saltpeter barrier**

- **Preparation of the support:** Carefully strip all old filler (cement, plaster, etc.). The support must be stripped, undressed, clean, proper, free of dust and any traces of oil, paint (sandblast if necessary), etc.
- **Moisten the support.**
- Using a brush, apply slurry consisting of 1 part **Hydrobond** and 1 part **Hydro+**. This adherence coating must be liquid in order to penetrate the support properly.
- **Do not allow the adherence coating to dry.**
- Prepare the mortar: pour 4L - 4.5 L of water into a bowl and add one 25-kg bag of **Hydro+** while stirring well.  
Mix intensely using a mixer until a homogenous paste is obtained.
- Apply the mortar in 1 or 2 coats to obtain a thickness of 10-12 mm.
- If the thickness is insufficient, use the membrane HYN3 or the product Hydroseal.
- During setting, avoid overly-rapid drying by moistening the surface regularly or by applying a plastic film.

### 3) Waterproof cap

- **Preparation of the support:** Carefully strip all old filler (cement, plaster, etc.). The support must be stripped, undressed, clean, proper, free of dust and any traces of oil, paint (sandblast if necessary), etc.
- **Moisten deeply the support - several times**
- Using a brush, apply thick slurry consisting of 1 part **Hydrobond** (ex: 1 L) and 3 to 4 parts **Hydro+**.  
This adherence coating must be liquid in order to penetrate the support properly.
- **Do not allow the adherence coating to dry.**
- Prepare the mortar: pour 3L - 3.5 L of water into a bowl and add one 25-kg bag of **Hydro+** while stirring well.  
Mix intensely using a mixer until a homogenous paste is obtained.
- Directly apply the mortar on the slurry - layer of 2 cm thick
- Smooth
- During setting, eventually avoid overly-rapid drying by applying a plastic film.

#### Characteristics:

- Exceptional water-tightness
- Strong adherence: 1,00 N/mm<sup>2</sup>
- Water absorption: w<sub>2</sub>
- Resistance to weak acids and bases, sulphates, chlorines, nitrates, urine, fertilizers, lactic acid, sugar, etc...
- Shrinkage upon setting of the mortar: 0.01 % - 0.02 %
- Good water pressure resistance.

#### Technical information:

- Consumption: 1 to 2 bags / m<sup>2</sup> depending on the condition of the wall and the thickness of the coat.
- Setting time: +/- 1.30h – 2h
- Application temperature: +5°C a +30°C
- Colour: grey
- Packaging: 25kg bag. 40-bag pallets (1000kg).
- Protected from humidity, conservation 18 months.

