



PRODUCT No. : 3.111

## **HIDRÓFUGO-2000**

### **NORMAL SETTING WATERPROOFING MATERIAL FOR MORTARS AND CONCRETE**

#### **CHARACTERISTICS:**

**HIDRÓFUGO-2000** is a yellow coloured, chloride free, pasty admixture in dispersion, with 1,0 kg/l density, which is especially recommended as admixture for the mixing water when waterproofing mortars and concrete. Shake the container before using in order to make the emulsion homogenous.

#### **FIELD OF APPLICATION:**

**HIDRÓFUGO-2000** has as its main use the obtaining of mortars with low permeability in rendering and joints, waterproofing works in engineering and construction, weather resistant coatings on façades, and waterproof concrete in general.

As an example it can be mentioned:

- a) As **waterproofing for coating mortars**: It's suitable for mortar coatings in façades, water treatment plants, tanks, swimming-pools, joints sealing, etc.
- b) As **waterproofing for concrete** among other in: channels, contention walls, swimming-pools, water treatment plants, tanks, etc.

#### **METHOD OF USE:**

As examples of its method of use we can mention some of the most frequent uses:

#### **USE IN MORTARS**

##### **\*\*SUPPORTS:**

Supports should be clean, compact and rough. Joints, repairs, etc., must be recut and gravel nests and cracks, refilled.

##### **\*\*MORTAR PREPARATION:**

It should be made of **one** part of cement and **three** parts maximum of clean river sand, with a maximum recommended size of 2,5 mm.

The mixing fluid will be formed by a dilution of **one** part (volume) of **HIDROFUGO-2000** and **10** parts of water (in case of using damp sand, use **1** part every **8** parts of water)

##### **\*\*SEALED RENDERING** (against water pressure):

Apply, in at least two coats, a mortar thickness between 2 and 3 cm. It's recommended to use sand as round as possible with 3mm maximum grains. Each coat will have 4-6 mm thickness and will cover the whole support not leaving any empty spaces. The surface will be left finished but not polished.

The approximate yield will be **0,7 Kg/m<sup>2</sup>** for **2,5 cm** thickness of mortar.

##### **\*\*FAÇADE RENDERING:**

The adding of **HIDRÓFUGO-2000** to the concrete allows tightness without avoiding wall breathing, thus avoiding risk of condensation

Apply between **1,5 and 2 cm** of mortar thickness.  
Approximate yield **250 gr.** per **m<sup>2</sup>** and **cm** of thickness



As a summary, for rendering and floor coating in cases of pressure water and dampness we can indicate the following data:

**\*\* PRESSURE WATER:**

	<b>Thickness (cm)</b>	<b>Yield (kg/m<sup>2</sup>)</b>
*Wall rendering	2-3	0,6-0,8
*Floor slabs coating	3,5-4,5	0,8-0,9

**\*\* DAMPNESS:**

*Wall rendering	1,0-1,5	0,3-0,5
*Floor slabs coating	2,5-3,5	0,7-0,8

**USE IN CONCRETE**

For good waterproofing it's necessary to use concrete containing between 300-350 kg of cement per m<sup>3</sup> controlling the grading of the aggregate and using the suitable vibration to avoid the formation of empty spaces.

Use as only mixing liquid a dilution of **1** part (volume) of **HIDROFUGO-2000** every **14** parts (volume) of water.

**NOTES TO CONSIDER:**

- When using **HIDRÓFUGO-2000** it's necessary to avoid water filterings while working.
- It's not recommended to apply mortar with **HIDROFUGO-2000** on just unmoulded concrete, being recommended, in order to get better results, an age of two-three weeks.
- It's necessary to deeply recut the surfaces to be treated in order to get good adherence.

**PRECAUTIONS:**

Do not swallow.

Keep out of the reach of children.

**PACKAGING AND STORAGE:**

**HIDROFUGO-2000** is only supplied in 30 and 60 kg non-reusable plastic containers. If the containers are kept in perfect state, tightly closed and protected from frost, the storage period is unlimited. Shake the container before using.

