

Technical Sheet

REBOTEC

WATERPROOFING



Rebotec
mortars and waterproofing agents

SALES UNITS



10 kg



1 kg

1. DESCRIPTION

REBOTEC WATERPROOFING is a water-repellent aggregate specially developed for addition to the concrete trace at the time of its production.

2. INDICATIONS FOR USE

Beams, foundations, ready mix, prestressed, reinforced, and projected concrete.

3. NOT SUITABLE FOR

- Loose surfaces. Examples: paints, oils, asphalt blanket, smooth surfaces without adhesion and other waterproofing;
- Mortars with low water/cement factor;
- Additives and waterproofing agents of other brands;
- For more information, consult the technical department of Rebotec Brazil.

4. ADVANTAGES

- It becomes an integral part of the concrete, resulting in a sturdy and durable structure;
- Allows the concrete to breathe;
- Non-toxic and don't alter the potability of the water;
- Non-flammable;
- No chlorides;
- Don't change the slump;
- Best cost/benefit;
- Makes the construction planning more flexible;
- Improves the durability of concrete;
- Permeability reducing additive for hydrostatic conditions;
- Zero VOC – The powdered product contains zero volatile organic compounds and are safe to use both outdoors and in confined indoor spaces.

5. INSTRUCTIONS FOR USE

5.1 Dosage

4% of **REBOTEK WATERPROOFING** in relation to the mass of cement, that is, 2 kg (4,40 lbs.) of **REBOTEK WATERPROOFING** for each 50 kg (110,15 lbs.) of cement.

5.2 Mixing

REBOTEK WATERPROOFING must be added to concrete at the time of its production. The sequence and addition procedures vary according to the type of operation, plant, and equipment.

5.2.1 Ready-mix concrete

The aggregates, cement and water should be mixed in the plant according to the usual procedures (taking into account the amount of water that has already been poured into the concrete mixer truck). Pour the **REBOTEK WATERPROOFING** gradually into the truck funnel and mix for at least 5 minutes to ensure a homogeneous distribution of the **REBOTEK WATERPROOFING** in the mixture.

6. SPECIAL CONSIDERATIONS

When adding **REBOTEK WATERPROOFING**, the concrete temperature should be above 4°C.

7. TECHNICAL DATA

7.1 Appearance and composition

- Color: Grey
- Composition: Silicon dioxide, Portland cement, soluble salts and mineral base A (industrial secret).

7.2 Properties and Features

- Appearance: solid – powder;
- Odor: Characteristic of Cement;
- Relative density: 1.29 g/cm³;
- Flammability: non-flammable solid;
- Solubility: insoluble.

	Without Rebotec Waterproofing	With Rebotec Waterproofing
Water absorption - EN 480-1	0,024 g/mm ²	0,013 g/mm ²
Fresh concrete air content - EN 12350-7	1,6%	2,0%
Compressive Strength - EN 12390-3 (28 days)	38,7 MPa	33,6 MPa
Chloride content- EN 480-10	--	0,07%

* Results based on CE 1377/CPR/ADI-0007.

8. PACKING

Bags of 1 kg (2,20 lbs), 10 kg (22 lbs) and 1 Ton Big Bag (2200 lbs).

9. VALIDITY

24 months from the date of manufacture printed on the packaging.

10. STORAGE

Store the product in a covered, cool, dry and ventilated place.

11. HANDLING AND SAFETY

- Wear safety goggles and gloves for protection;
- Keep the product in its original and unopened packaging;
- Keep out of reach of children and animals;
- If contact with the skin and consequent dryness occurs, wash with plenty of running water;
- In case of ingestion of the product, the doctor should be consulted.

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