

# Technical Sheet

# REBOTEC

# CONCRETO



# Rebotec

argamassas e impermeabilizantes

## SALES UNIT



Plastic Bag  
10 Kg

## 1. DESCRIPTION

**REBOTEC CONCRETO** is a hydrofugant 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;
- It is non-toxic (ABNT NBR 12170:2017: Waterproofing materials - Determination of water potability after contact);
- Best cost/benefit;
- Makes the construction planning more flexible;
- Improves the durability of the concrete;
- Permeability reducing additive for hydrostatic conditions;
- Zero VOCs - The powdered product contains zero volatile organic compounds and are safe for use both outdoors and in confined indoor spaces.

## **5. INSTRUCTIONS FOR USE**

### **5.1 Dosage**

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

### **5.2 Mixture**

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

#### **5.2.1 Ready mix Concrete**

The aggregates, cement and water should be mixed in the cement factory according to the usual procedures (taking into account the amount of water that has already been placed in the concrete mixer truck). Pour the **REBOTEK CONCRETO** gradually into the truck funnel and mix for at least 20 minutes to ensure a homogeneous distribution of **REBOTEK CONCRETO** in the mixture.

## **6. SPECIAL CONSIDERATIONS**

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

## **7. TECHNICAL DATA**

### **7.1 Appearance and composition**

- Color: Gray
- Composition: Mineral aggregate, pozzolan, soluble salts and HDF SCI formula kept under industrial secret.

### **7.2 Properties and Features**

- Aspect: solid - powder;
- Odor: odorless;
- pH: 9 - 11;
- Relative density: 1.29 g/cm<sup>3</sup>;
- Flammability: non-flammable solid;
- Solubility: insoluble.



## **8. PACKING**

Bag of 10 kg and Big Bags of 1 Ton.

## **9. EXPIRATION DATE**

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

## **10. STORAGE**

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

## **11. HANDLING AND SAFETY**

- Wear safety glasses and gloves for your protection;
- Keep the product in its original packaging and closed;
- Keep out of reach of children and animals;
- If there is contact with the skin and consequent dryness, wash with plenty of running water;
- In case of ingestion of the product, the doctor should be consulted;
- For more information, see the Chemical Safety Data Sheet - MSDS.

## **12. RESPONSIBLE CHEMISTRY**

Dr. Giseli Contri CRQ/SC: 13101485 - XIII