

REBOTECFLEX POOLS AND TANKS

TECHNICAL DATA SHEET



1. DESCRIPTION

REBOTECFLEX POOLS AND TANKS is a cementitious, waterproofing, two-component liquid blanket based on acrylic polymers with high adhesion power. It is 100% waterproof, flexible and with elastic properties that provide more ability to remain intact in areas subject to cracks, fissures, humidity in negative and positive pressure. Highly effective when exposed to the sun, salt spray and bad weather in areas without traffic.

2. BENEFITS

REBOTECFLEX POOLS AND TANKS is easy to apply and level. No toxic elements and does not contaminate drinking water after curing the product. Resistant to positive and negative pressures.

3. SUITABLE FOR

- Waterproofing of swimming pools, tanks and water tanks;
- Waterproofing, correcting and preventing micro-cracks;
- Laying in coatings and areas of constant contact with moisture;
- PVC and metal drain and pipe finishers;
- Direct application of paints, textures and various coatings;

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- Laying in toilets and wall in constant contact with water.

4. NOT SUITABLE FOR

- Places that release oil or solvents, natural or partially vulcanized rubber gaskets or tapes;
- Frozen or wet surfaces
- At temperatures above 35 °C;
- Do not work on very hot surfaces, avoiding the hours at noon or cold days with temperatures below 5 °C.

5. SUBSTRATE

Masonry and cement-based surfaces.

6. SUBSTRATE PREPARATION

- Eliminate impurities such as dust, grease or grease stains, mold or loose parts, leaving the surface free of any impregnation that may impair the adhesion of the product;
- The surface must be slightly damp to receive the application of **REBOTECFLEX POOLS AND TANKS**;
- To be completely cured, a minimum period of 10 days is required;

7. APPLICATION

For the application of **REBOTECFLEX POOLS AND TANKS**, a coat with the help of a broach must be applied together with the resistant alkali screen tape (polyester mesh) on the entire surface of the structure. Wait for it to dry (four to six hours) and apply a second coat in a cross direction with the help of a roller or broach. Repeat the process until you reach 4 coats in total. Constantly mix the remaining product in the bucket. Wait seven days for curing to perform the leak test. Mechanical coating (coating bonding) is indicated.

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Note: For the leak test, leave the reservoir/pool full with water for a period of 10 days. Thus, it is possible to observe if there is still a possible flow, and then place the coating.

8. PRODUCT PREPARATION

REBOTECFLEX POOLS AND TANKS comes in the right dosage. Add Component A (liquid) into the container first. Then slowly add component B (powder) mixing with a mechanical whisk for five minutes until you get a good homogenization of the product without the formation of lumps. After mixing, use the product within 12 hours, as long as the bucket with the mixture is tightly closed (without contact with air). Before application, mix with a mechanical whisk until the product returns to its initial consistency. Use quantities, tools, and application processes as needed by the job to be performed. Do not add water to the mixture. Do not heat the mixture.

9. DRYING TIME

It varies according to the cement mixed, the surface of application and the weather conditions. To the touch, approximately 2 hours. Between coats, 4 to 6 hours. Total cure 10 days.

10. SPECIAL CARE

- Store the product in its original packaging, in a place free of moisture, out of the reach of children, animals and away from heat sources;
- Keep the room ventilated during the application of the product;
- Always leave the edges of the lid and packaging completely clean, which can be done with the help of a damp sponge, preventing dry parts from falling and contaminating the product;
- The surface must be free of any dirt that may compromise the adhesion of the product or substrate.

11. TECHNICAL DATA

11.1 Appearance and composition

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Colour	Component A: White Component B: Grey
Composition	Component A: Acrylic emulsion and additives. Component B: Portland cement, mineral fillers and additives.

11.2. Properties and Characteristics

- Appearance: Component A: Liquid leitous, Component B: solid – po
- Odor: Characteristic
- pH: 7.0 - 9.0
- Relative density: 1.0 – 1.2 g/cm³
- Flammability: non-flammable
- Solubility: partially soluble in water

Table 1. Tests with component A according to ABNT NBR 13321 and ABNT NBR 15885 standards.

Component A	Results
Tensile strength at break	2.2 MPa
Elongation at minimum break	300 %
Maximum water absorption	6 %
Artificial weathering aging	No change
Minimal elongation in the ruptura after aging	110 %
Low-temperature flexibility after ageing	No crack

12. CONSUMPTION

- For 4 coats: 2 kg/m²

13. STORAGE

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

14. EXPIRATION AND PACKAGING

- 12 months from the date of manufacture printed on the packaging;

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- 4 and 18 kg buckets.

15. HANDLING AND SAFETY

- Wear safety goggles and gloves for your protection;
- Keep the product in its original, 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;
- For more information, see the Chemical Safety Data Sheet - MSDS.

16. RESPONSIBLE CHEMISTRY

Ms. Giseli Contri CRQ/SC: 13101485 – XIII

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