

Waterproofing Polymeric **BALDRAN® PLUS 1000**

BALDRAN® PLUS 1000 is a bicomponent waterproofing system with acrylic emulsion base, cement and additives. When mixed together it results in a watertight acrylic mortar with excellent adhesion to the substrate. The product is nontoxic and does not alter the potability of water.

SEGMENTS OF USE

- Foundation beams impermeabilities.
- Moist areas, kitchens, bathrooms, flower boxes, water containers
- Retaining walls, laundries, balconies
- Pools, foundations, baseboards, cold areas
- Internal and external walls
- Water reservoirs, tanks and foundations in general, etc.

SURFACE PREPARATION

The surface must be clean and complete, free of oil, grease, paint, curing agent, release agents and any other elements that may impair adhesion. The cleaning can be executed with a high-pressure hose or brush with hard bristles. In case of fissures up to 3 mm, we recommend application of the product **ReisFlex® PU** for correction before the impermeable system is applied. In some cases, a bridge of adherence has to be created. Sharp edges must be rounded.

PRODUCT PREPARATION

Mix component B (powder) with component A (liquid) in an adequate container mechanically for 3 minutes or manually for 5 minutes until homogeneous and without lumps. In large quantities, can use concrete mixer. Once the components are mixed the mixture must be used within 40 minutes. **DO NOT MIX WITH WATER.**

PRODUCT APPLICATION

Before beginning the application, you must moisten the surface with water avoiding puddles. **BALDRAN® PLUS 1000** should be applied with a brush or broom spreading the product constantly. The product should be applied in uniform layers at right angles.

After applying the first layer, wait from 2 to 4 hours for the second layer. Between the 2nd and 3rd layers, reinforce with a 2x2 mm polyester mesh. Wait 7 days to test for leaks.

If **BALDRAN® PLUS 1000** is used on horizontal surfaces, then a minimum 3 cm layer of concrete as a mechanical protection must be applied over: batch base, cement + sand = 1/3.

RECOMMENDATIONS

- Decontrol the area after 3 days.
- For open areas or areas under the sun, hydrate them for a minimum of 3 consecutive days.
- After the cure, test for water-tightness with water for a minimum period of 72 hours.
- Clean the tools with water.

NEGATIVE WATERPROOFING

In case of negative pressure, one shall apply **BALDRAN® PLUS 1000** and after the cure, apply **BALDRAN® PLUS 5000**.

BENEFITS

- Avoids the formation of mold and moisture
- Easy application

- Resistant to water pressure
- Excellent adherence without necessity of roughcast
- Excellent barrier against sulfates and chlorates

TECHNICAL CHARACTERISTICS

Baldran® Plus 1000 Part A	Baldran® Plus 1000 Part B
Aspect: viscous liquid	Aspect: powder
Color: white	Color: gray
pH: 7 to 9	
Brookfield Viscosity: 100 to 250 Cps	
Package: 2 kg and 4 kg	Package: 7 kg and 14 kg
Resistance to adherence: 5.5 Mpa according to standard 12171 min 0,25 Mpa	
Specific mass at room temperature A+B: 1850 kg/m ³	
Time of application: 40 min	
Temperature of application: 5C to 35C (41F to 95F)	
Package: Kit 9 kg and 18 kg	

TECHNICAL COMPLIANCE

Impermeability	NBR 11905
Resistance to water under pressure	NBR 10787
Adequate adherence	NBR 12171
Potability	NBR 12170
Potability – Portaria 56/Bsb Brazilian Ministry of Health March 14, 1977	

YIELD

BALDRAN® PLUS 1000: Consumption: 1 kg/m² (one coat)

- Rising moisture in the walls: 2 coats.
- Buried walls and basement: 3 coats.
- Water tanks and reservoirs: 3 and 4 coats.
- Cold areas: 2 coats

The yield can be altered depending on the hydrostatic pressure (positive or negative); in this case consult our technical department.

CLEANLINESS AND SAFETY

Use protective glasses and rubber gloves. Direct contact with the skin should be avoided (can cause irritation). In case of contact with the skin or eyes, wash immediately with abundant water and consult a doctor. Keep out of the reach of children and animals.

STORAGE

BALDRAN® PLUS 1000 should be stored in dry and ventilated location at temperature below 77°F (25°C).

WARRANTY

Reis e Reis guarantees quality and exemption of manufacturing defects, provided that the product is correctly applied, respecting the conditions of this Technical Data Sheet. According to NBR-11905 regulation, the product must be used in static structures, or in other words, free of movement structures. If cracks occur in the structure, consult the engineer to make the structural correction and then reapply the product. **THIS WARRANTY DOES NOT INCLUDE DAMAGE CAUSED BY STRUCTURAL PROBLEMS.**

VALIDITY: 12 months.