

## WATERPROOFING POLYMERIC

# BALDRAN PLUS® 1000

### PRODUCT

**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.

### PREPARATION OF THE SURFACE

The surface should be clean and free of imperfections.

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.

### PREPARATION OF THE PRODUCT

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.**

### Application of the Product

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 5 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 <sup>2</sup>	
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** : 2kg/m<sup>2</sup> with 2 layers

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 77F (25C). Validity: 12 months

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*Our technical advice concerning the application of the product is made verbally, in writing and through demonstration depending on the interest of the customer.*

*It should be noted that the application of the product is a precision process and when it is not applied by Reis e Reis, the company disclaims any responsibility; therefore, the responsibility is that of the customer. Regarding the storage and use of the product, any resulting change in its properties will be the complete responsibility of the customer.*

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