



# ATLANTTIC

## AQUACIMENT®

Two-component microcement for swimming pools



The Atlanttic Aquacement® two-component microcement system has been formulated for application in swimming pools. The products that make up the system are:

- Atlanttic Aquacement® XXL: Microcement preparation (Component A).
- Atlanttic Aquacement® XL: Microcement finish (Component A).
- Acricem Pool: Water-based acrylic resin. Component B of microcement.
- Topsealer® WT Pool: Sealant.

Atlanttic Aquacement® should be applied in colours: white and natural white (unpigmented).

### Properties

- Seamless continuous liner. Designed for pools: edges, crown and basin.
- Atlanttic Aquacement® is not a waterproofing mortar and must be applied on shotcrete or gunned concrete as well as reinforced concrete formwork. This system may never be applied on other microcements, gresites, cement glues, waterproof mortars and paints.
- Excellent workability and fast application.
- Water vapour permeable, low water absorption and good mechanical properties, which are achieved through the use of Acricem Pool as the B-component of this two-component system.
- Non-slip texture (if not applied fresh on fresh).
- Suitable for other surfaces in contact with water, terraces, walls and facades.

### Technical data

PROPERTIES	SPECIFICATION	UNIT	METHOD
Characteristics component A	Dust		
Non-volatile content comp A	100	%	UNE-EN ISO 3251:2020
Characteristics component B	Water based acrylic resin		
Non-volatile content comp B	14-16	%	UNE-EN ISO 3251:2020
Permeability to liquid water	0,0204	Kg/ (m <sup>2</sup> ·h0,5)	UNE-EN 1062-3
Direct tensile adhesion	1,71	MPa	UNE-EN 1542
Water vapour permeability	SD= 0.3137 Class I	m	UNE-EN ISO 7783
Compressive strength 28 days	55	MPa	UNE EN 13892-2:2003
Flexural strength 28 days	10	MPa	UNE EN 13892-2:2003
Drying time comp mix A+B 20°C	30	minutes	
Drying time between layers	4-8	hours	

## Performance

Performance is calculated on a consolidated support and in good planimetric conditions:

**Atlanttíc Aquaciment® XL** (2 layers) 3.0 kg/m<sup>2</sup>

**Atlanttíc Aquaciment® XXL** (2 layers) 4,0 kg/m<sup>2</sup>

These performances may vary depending on the conditions of the surface to be coated.

## Instructions for use

### Preparation of the mortar:

1. Pour the quantity indicated in the mixing section of Acricem Pool (component B) into a container. Then shake the pigment and mix it with the Acricem Pool until a homogeneous coloured liquid is obtained.
2. Pour into the previous container containing Acricem pool the corresponding quantity of Atlanttíc Aquaciment® XL or XXL (component A) gradually while mixing with a disperser or low speed mechanical stirrer.
3. Stir the mixture for at least 2-3 minutes until a homogeneous, lump-free mixture is obtained.

### Mixing:

**10 kg of Atlanttíc Aquaciment® XL** - 3.2 - 3.5 litres of Acricem Pool Resin

**10 kg of Atlanttíc Aquaciment® XXL** - 3.0 - 3.1 litres of Acricem Pool Resin

Mixing ratios may vary depending on climatic conditions.

### Application:

The application substrate must be clean, consolidated and in good planimetric condition.

4. Apply a primer of Acricem Pool to the substrate by roller and allow to dry for 30 to 45 minutes.
5. Apply the first layer of Atlanttíc Aquaciment® XXL (without pigment) and allow to dry for 4 to 8 hours. Drying time will depend on weather conditions. Apply the second layer of Atlanttíc Aquaciment® XXL (with pigment) and allow the same drying time as the first layer.
6. Apply two layers of Atlanttíc Aquaciment® XL (pigmented) and let dry 4-8h between layers.

After 24 hours, apply a layer of Topsealer® WT Pool by roller, completely covering the entire surface and allow to dry for 7 days to achieve maximum performance, avoiding contact with water within 7 days after application, as unwanted marks may appear. Always check that the water inlet is properly closed, do not fill the pool and suspend the application if rain is forecast.

To achieve a smoother finish, sand between layers of microcement with 24 or 40 grit sandpaper, depending on the grade required. The Atlanttíc Aquaciment® XL system can also be applied with the "fresco on fresco" technique; using a water sprayer in the last layer and then smoothing with a metal trowel. Please note that the anti-slip texture will disappear with this technique.

A total system thickness of 3 to 5 mm is recommended.

Do not apply the product at room temperature below 10°C and not above 30°C.

Low temperatures lengthen and high temperatures significantly reduce the shelf life and drying time of the product.

## Special precautions

This product contains cement.

- Avoid contact with eyes and skin and avoid inhalation of dust.
- Wear rubber gloves and protective goggles.

It is essential to follow the instructions on the container label. Empty containers must be disposed of in accordance with current legislation. For further information, please refer to the product safety data sheet.

## Maintenance

It is recommended to renew, pressure wash and renew the last layer of Topsealer® WT Pool every 1-2 years. For this purpose, we recommend sanding the surface beforehand.

Water maintenance products should not be added directly to the pool tank, as they may cause white stains and discolouration when they settle to the bottom of the pool. In the case of liquid or granulated products, dissolve the appropriate dose in a container of water beforehand, and then add it to the skimmers from where it will be transferred to the pool tank. The pH of the water should be kept between 7.2 and 7.6.

## Presentation

Atlanttíc Aquacement® XXL and XL are available in 18 kg and 25L containers for Acricem Pool.

## Product shelf life

The pot life of the mixture (component A + component B) is 30 minutes at about 20°C.

## Cleaning of tools

Tools should be washed with soap and water immediately after use.

## Storage conditions

It should be stored in its original closed container and protected from the weather at temperatures between 10°C and 25°C, in a dry and well-ventilated place, away from sources of heat and direct sunlight. The shelf life of Atlanttíc Aquacement® component A is 24 months from the date of manufacture, and of Acricem Pool, component B is 1 year if stored properly.



The product must not be used for purposes other than those specified, without first having written instruction in its handling. It is always the responsibility of the user to take appropriate measures in order to comply with legislative requirements. The Safety Data Sheets of the product are available to the professional.

last edition: May 2024