



ATLANTTIC

AQUACIMENT® Microcemento bicomponente para piscinas



The Atlantt Aquaciment® two-component microcement system has been specially formulated for application in swimming pools. The system consists of the following products:

- Atlantt Aquaciment® XXL: Base microcement (Component A).
- Atlantt Aquaciment® XL: Finishing microcement (Component A).
- Acricem Pool: Water-based acrylic resin acting as Component B of the microcement system.
- Topsealer® WT Pool: Sealer..

Properties

- Atlantt Aquaciment® is not a waterproofing mortar and must be applied over shotcrete or reinforced concrete formwork. This system must never be applied over other microcements, mosaic tiles, tile adhesives, waterproof mortars, or paints.
- Seamless continuous coating.
- Designed for swimming pools: edges, coping, and pool basin. Provides a slip-resistant texture (when not applied wet-on-wet).
- Excellent workability and fast application.
- Water-vapour permeable, with low water absorption and good mechanical properties, achieved through the use of Acricem Pool as Component B in this two-component system.
- Suitable for other water-contact surfaces, such as terraces, walls, and façades.
- A waterline mark inherent to the system may appear.
- Atlantt Aquaciment® must be applied in white or natural white (unpigmented) colours only.

Technical Data

PROPERTIES	SPECIFICATION	UNIT	METHOD
Component A characteristics	Powder	–	–
Non-volatile content (Component A)	100	%	UNE-EN ISO 3251:2020
Component B characteristics	Water-based acrylic resin	–	–
Non-volatile content (Component B)	14–16	%	UNE-EN ISO 3251:2020
Liquid water permeability	0.0204	kg/(m ² ·h ^{0.5})	UNE-EN 1062-3
Direct tensile adhesion strength	1.17	MPa	UNE-EN 1542
Water vapour permeability	SD = 0.3137 (Class I)	m	UNE-EN ISO 7783
Compressive strength (28 days, XL)	9.7	MPa	UNE-EN 13892-2:2003
Flexural strength (28 days, XL)	4.8	MPa	UNE-EN 13892-2:2003
Compressive strength (28 days, XXL)	11.9	MPa	UNE-EN 13892-2:2003
Flexural strength (28 days, XXL)	5.3	MPa	UNE-EN 13892-2:2003
Drying time of mixture (A+B) at 20 °C	30	min	–
Drying time between coats	4–8	h	–

Coverage

Coverage is calculated on a sound and level substrate in good condition:

- Atlanttic Aquaciment® XL (2 coats): 3.0 kg/m²
- Atlanttic Aquaciment® XXL (2 coats): 4.0 kg/m²

These values may vary depending on the surface condition and texture of the substrate to be coated.

Mortar Preparation and Application

Mortar preparation:

1. Pour the specified amount of Acricem Pool (Component B) into a clean container. Then, shake the pigment and mix it with the Acricem Pool until a uniformly coloured liquid is obtained.
2. Gradually add the corresponding amount of Atlanttic Aquaciment® XL or XXL (Component A) into the same container while mixing with a low-speed mechanical mixer or disperser.
3. Mix for at least 2–3 minutes until a homogeneous, lump-free mixture is obtained.

Mixing ratio:

10 kg of Atlanttic Aquaciment® XL – 3.2–3.5 L of Acricem Pool resin

10 kg of Atlanttic Aquaciment® XXL – 3.0–3.1 L of Acricem Pool resin

Mixing ratios may vary depending on ambient conditions.

Application:

The substrate must be clean, sound, and level before application.

1. Apply a primer coat of Acricem Pool using a roller and allow to dry for 30–45 minutes.
2. Apply the first coat of Atlanttic Aquaciment® XXL (unpigmented) and let dry for 4–8 hours. Drying time depends on ambient conditions. Apply a second coat of Atlanttic Aquaciment® XXL (pigmented) and allow to dry for the same time.
3. Apply another primer coat of Acricem Pool with a roller and allow to dry for 30–45 minutes.
4. Apply two pigmented coats of Atlanttic Aquaciment® XL, allowing 4–8 hours between coats.
5. After 24 hours, apply one coat of Topsealer® WT Pool with a roller, ensuring complete coverage of the surface. Allow to cure for 7 days to achieve maximum performance.

Avoid any contact with water within 7 days of application, as this may cause undesired marks. Ensure the pool's water inlet remains closed, do not fill the pool, and suspend application if rain is expected.

For a smoother finish, the microcement can be sanded between coats using grit 24 or 40 sandpaper, depending on the desired texture. Alternatively, Atlanttic Aquaciment® XL can be applied using the wet-on-wet technique: lightly spray the surface with water during the final coat and trowel with a metal trowel to refine the finish. Note that this technique eliminates the slip-resistant texture.

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

Special Precautions

Do not apply the product at ambient temperatures below **10 °C** or above **30 °C**. Low temperatures **extend**, and high temperatures **significantly reduce**, the **pot life and drying time** of the product.

It is essential to **follow the instructions on the product label**. Dispose of contents and container in **accordance with national waste disposal regulations**. For further information, consult the product's **Safety Data Sheet (SDS)**.

Maintenance

It is recommended to **clean with a pressure washer and renew the final coat of Topsealer® WT Pool every 1–2 years**. Before doing so, it is advisable to **sand the surface**.

Do not add **pool maintenance chemicals directly into the pool basin**, as they may settle on the bottom and cause **white stains or discolouration**. For **liquid or granular products**, first **dissolve the appropriate dose in a container of water**, then add the solution through the **skimmers**, allowing it to circulate into the pool basin. The **water pH** should be maintained between **7.2 and 7.6**.

A **waterline mark** inherent to the system may appear.

Packaging

Atlanttíc Aquaciment® XXL and XL are supplied in **18 containers**, and **Acricem Pool** is available in **25 L containers**.

Tool Cleaning

Tools should be **cleaned with water and soap immediately after use**.

Storage Conditions

The product must be **stored in its original, tightly closed container**, protected from weather exposure, at temperatures between **10 °C and 25 °C**, in a **dry, well-ventilated area**, away from **heat sources and direct sunlight**.

The **shelf life** of **Atlanttíc Aquaciment® (Component A)** is **24 months** from the date of manufacture, and **Acricem Pool (Component B)** has a **shelf life of 1 year** when properly stored.



® The product must **not be used for purposes other than those specified**, unless **prior written instructions** for its handling are provided. It is always the **user's responsibility** to take the necessary measures to comply with the **applicable legal requirements**. **Safety Data Sheets (SDS)** for the product are available to professional users upon request.

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