

AQUACIMENT

Microcement for swimming pools



Aquacement microcement has been formulated to be applied in swimming pools. These are the products to be used when applying Aquacement:

- Aquacement XL: microcement for preparing surfaces (component A).
- Aquacement M: microcement for finish coating (component A).
- Acricem: primer and component B of microcement.
- Presealer: product to seal swimming pools

Aquacement is not a waterproof mortar.

Aquacement XL should be applied on shotcrete or gunite. This material can only be applied on clean, firm, level and well consolidated surfaces in a good flatness.

Properties

- Provides a continuous covering without fissures.
- Excellent workability.
- High adhesion to substrates.
- Quick application and implementation.

Recommendations for use

a. Mortar preparation:

1. Pour some Acricem resin (component B) in a clean container. Then shake the pigment well and mix it up with the component B until a homogenous colour is obtained.
2. Pour Aquacement XL or F (component A) in the container gradually while mixing it with a low speed mixing drill.
3. Stir for at least 4 minutes until a homogeneous and lump free mortar is obtained.

b. Mix: Aquacement microcement is prepared by mixing the powder (component A) with the liquid (component B) Acricem. Component A refers to Aquacement XL for preparing surfaces and Aquacement M for surface finishing:

- 10 kg of Aquacement XL – 2.50 liters of resin Acricem
- 10 kg of Aquacement M – 3.00 liters of resin Acricem

Mortar proportions could vary according to the climatological conditions.

d. Consumption:

Coverage rates on firm and level substrate and in good flatness.

Aquaciment XL (2 coats) 3.00 kg/m²

Aquaciment M (2 coats) 1.80 kg/m²

Coverage will vary depending on the surface conditions.

Technical data

Type:	Two-component microcement
Appearance:	White powder
Maximum size of the aggregates:	0.9 mm
Compressive strength (EN 13892-2):	28 days: ≥ 30 N/mm ²
Flexural strength (EN 13892-2):	28 days: ≥ 9 N/mm ²
Adhesion strength (EN 13892-8):	28 days: ≥ 1.5 N/mm ²
Slip resistance (EN-ENV-12633):	Class 2 or 3 according to the type of finish desired

Application

1. Apply a coat of Acricem primer with a roller. No need to let it dry completely.
2. Apply the first coat of Aquaciment XL (non-pigmented) and leave it dry for 24 hours. Drying time will depend on the site conditions.
3. Apply the second coat of Aquaciment XL (pigmented) and leave it dry for 24 hours.
4. Apply 2 coats of Aquaciment M (pigmented) and leave it dry for 24 hours.
5. Apply 2 coats of Presealer with a roller covering the surface completely and leave it dry for 5 days.
6. Fill in the swimming pool.

Avoid running water during steps 5 and 6 to obtain a smooth finished coating without waterline stains. Therefore, it is very important to keep the tap closed and postpone the day of application in case of rain.

To obtain a smoother finish, sand between coats with a 40-grit an 80-grit sander depending on the hardness of the microcement.

We recommend a total thickness of the coating layers between 3 mm and 4 mm

Special precautions

This product contains cement.

- Avoid contact with eyes and skin, as well as powder inhalation.
- Use rubber gloves and safety glasses.
- Apply this product at ambient temperature between 10°C and 30°C. Both low and high temperatures might vary the pot life and drying times considerably.

Empty containers must be disposed of in accordance with current local regulations. Keep out of the reach of children.

Maintenance



A new coat of Presealer shall be applied every one or two years in order to preserve the properties of the surface coated. Sanding must be required before applying the new coat.

Products for pool water maintenance shall not be used directly to the swimming pool in order to avoid white stains and discolouration. If using liquid or grainy products, first dissolve them in water and then add them into the skimmers. The pH value of the water should be between 7,2 and 7,6.

Packaging

Available in 20 kg buckets.

Cleaning of the tools

Tools should be cleaned with water immediately after use. Once the material has hardened, it can only be removed by mechanical means.

Pot life

The Pot life is of 1 hour at about 20°C.
It is advisable to mix quantities in accordance with the experience of the applicator.

Storage conditions

Topciment microcement should be stored in its closed original packaging, protected from weather conditions and at temperatures below 30°C. Acricem must be stored in its closed original packaging protected from weather conditions and always between 10°C and 30°C. Shelf life is 1 year from the date of production, if stored in well-preserved conditions.



The product should not be used for purposes other than those specified without first having instructions in writing. It is always the user's responsibility to take suitable measures in order to comply with the requirements established in local legislation. Product safety sheets are available for professionals. This technical data sheet will be valid until a new edition appears.

Last updated: June 2017