

# MICRO ART AD 91

ACRYLIC SURFACE SEALANT

## 1. DESCRIPTION

**MICRO ART AD 91** is a surface sealant and waterproofing agent based on a new generation self-reticulating 100% acrylic polymer - nanotechnology.

Its main characteristics are: excellent penetration ability, filling existing pores in the coating, good chemical resistance and also enhancer of coating colour.

## 2. FIELD OF USE

**MICRO ART AD 91** is used on vertical or horizontal surfaces indoors and outdoors and it is intended to fill pores of rigid surfaces of finishes, promoting adhesion, finish lacquering and providing performance increase of acrylic surfaces protectors such as varnishes like **MICRO ART AD 45** or **MICRO ART AD 46**.

**MICRO ART AD 91** is used as surface sealant in the **MICRO ART** system, preparing **MICRO ART MC 01** or **MICRO ART MC 02** to receive surface protectors like **MICRO ART AD 45** or **MICRO ART AD 46** or waxes, such as **MICRO ART AD 47**. It may be used for the same purpose for decorative floors of the **SCALA** range, as well as in architectural elements made with **BETÃO-S ESTRUTURAL BRANCO** and **BETÃO-S ESTRUTURAL CINZA**.

**MICRO ART AD 91** is applicable on cementitious substrates or stone elements both indoors and outdoors.

## 3. PRODUCT CHARACTERISTICS

GENERAL CHARACTERISTICS	VALUE
Aspect	Colourless liquid, glossy finish
Density	1,03 ± 0,002 kg/m <sup>3</sup>
Average theoretical consumption <sup>(1)</sup>	12 m <sup>2</sup> /l/coat
Drying time	3 h <sup>(2)</sup>
Volatile Organic Compounds Directive 2004/42/CE DL No. 181/2006	EU limit value for this product (cat A/g):30 g/l 2010; The product contains at most 15 g/l

<sup>(1)</sup> The values are theoretical and do not include additional consumptions as a consequence of porosity of the substrate, surface profile, variation in levelling, etc.

<sup>(2)</sup> These values require constant conditions of air humidity (max. 70%) and temperature (23°C).

## 4. APPLICATION

### a) Substrate preparation

Substrates should be dry, free of dust, release agents, loose or unstable materials, efflorescence, as well as any type of material that affects normal adhesion conditions.

### b) Application

Prior to application, the product should be stirred until it is completely homogenised.

Apply over the substrate by using a short hair, a microfiber roll or a conventional wax applicator.

Pour the product sparingly on the surface and spread it in circular movements, overlapping the areas covered while they are fresh. Allow to dry completely for at least 3 hours and then apply the chosen surface protector.

After drying, sand the surface so as to remove any irregularity. In this case, it is recommended to use a worn iron sandpaper so as to obtain a smoother texture.

### c) Restrictions

The consumption of **MICRO ART AD 91** should be respected as previously stated, so as to guarantee good performance.

**MICRO ART AD 91** should not be applied at room and substrate temperatures below 10 °C, above 30 °C and air relative humidity of more than 70%.

If temperature is below 10 °C and relative humidity > 70 %, curing is slower, increasing drying times.

**MICRO ART AD 91** should be protected from the action of humidity, condensation and water for at least 7 days (at 20 °C)

In indoor applications, rooms should be ventilated.

In dry weather or in strong winds, facades should be protected to minimize the direct action of wind.

Application of the product should not take place in case of rain or high humidity or if rain is expected within 24 hours of application. These conditions may compromise the normal behaviour of **MICRO ART AD 91**.

### d) Complementary Advices

Do not add any other products to **MICRO ART AD 91**. It should be applied as it is shown in its original packaging.

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## 5. PACKAGING AND VALIDITY

### Packaging

Buckets of 1 and 5 litres.

### Validity

12 months provided the conditions of the original packaging remain unaltered and in good storage conditions, protected from extreme temperature and humidity.

## 6. HEALTH AND SAFETY

(DOES NOT REPLACE CONSULTATION OF THE PRODUCT SAFETY DATA SHEET)

- May cause sensitization in contact with skin;
- Avoid contact with skin and eyes;
- Use protective clothing and appropriate gloves;
- If it comes in contact with eyes, rinse immediately and thoroughly with water and seek a specialist advice;
- Keep out of children's reach;
- UE limit value for this product (Cat A/g): 30 g/l (2010). This product contains at most 15 g/l COV, as per directive 2004/42/EC.

*Being the conditions of applying our products out of our reach we do not take responsibility for its misuse. It is the customer's duty to verify the suitability of the product for the intended purpose. In any case, our responsibility is limited to the value of the goods supplied by us. The information contained in the present data sheet may be altered without prior notice. In case of doubt and if you need any further advice please contact our Technical Services.*

*Revision of January 2019*

*FT.05008.01 EN*