

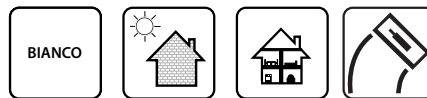
Artica

Straightening levelling cement, high adhesive power for both indoor and outdoor use, based on white cement, selected pure aggregates of micronised marble powder and specific natural additives. Ideal both as a smoothing levelling before decorating with mineral and synthetic paints or coatings, and as a final decorative layer with mirror texture

Artica is a cement straightening skim plaster for both indoor and outdoor use, based on white cement, pure selected marble micronised powder aggregates and specific natural additives. Ideal both as a smoothing levelling before decorating with mineral and synthetic paints or coatings, and as a final decorative layer with mirror texture.

Formulated in the **Research & Development laboratories Licata SpA**, is perfectly stable to atmospheric moisture and water. It is characterized by easy workability, high adhesion power, excellent smoothness, together with high mechanical and superficial resistance. The dimensional stability, guaranteed by a hygrometer shrinkage close to zero, allows the application in thickness ranging between 0 and 3 mm in a single coat, reducing cracks to a minimum in all phases of the product life (application, plastic phase, curing).

Licata SpA Research & Development has dedicated specific studies to the extended pot life (about 3 hours), an added value that allows to easily retouch the product during the application.



MAIN FIELDS OF USE

Artica adheres without the aid of adhesion promoters on most substrates used in the construction industry such as:

- Painted and enamel surfaces
- Wall coverings even old provided that they adhere well to the substrate
- Ceramic tiles also porcelain or enamel (provide a mechanical abrasion or wash with caustic soda)
- Skim plasters and plasters with any degree of finish
- Concrete
- Autoclaved aerated concrete
- Brick and masonry in general
- Plasterboard
- Insulating panels such as EPS, XPS foamed polyurethane, cork, etc.

To apply to different substrates, please contact our technical department.

CHARACTERISTICS

- High mechanical and superficial resistance: high performance hydraulic binders, selected aggregates with controlled grading curve, confer elevated mechanical and superficial resistance.
- Applicable from 0 to 3 mm: the dimensional stability, guaranteed by a hygrometer shrinkage close to zero, allows application in thickness ranging between 0 and 3 mm in a single coat.
- Good workability. The use of special additives and selected micronized marble powder aggregates, give excellent smoothness and ease of processing, reducing the difficulty of installation to a minimum.
- Long open time: **Licata SpA** Research & Development **has dedicated specific studies** to the extended pot life (about 3 hours), an added value that allows to easily retouch the product during the application.

- High binding power: **Artica**, adheres without the aid of adhesion promoters on most substrates used in the construction industry.
- Pigmentation: **Artica** can be pigmented using paste and powder colours therefore it is ideal as a final decorative layer with mirror texture.
- Particle Size < 200 micron: this characteristic makes **Artica** as levelling smoothing before decorating with specular mortars, paints, mineral and synthetic coatings.

APPLICATION METHOD

Preparation of substrate

Mechanically remove any flaking or easily detached parts. Thoroughly clean the application area so that it is free of dust, residue from surface treatments, such as detergents, oily substances, disarming agents, mineral or organic grease, wax, traces of chalk or salt. Very dusty or crumbly surfaces should be treated beforehand with the specific consolidating primer **Nano Primer**. Any holes or large cracks must be repaired with **Repair 250 N/R** or **450**.

Preparing the mixture

You need 6.8-7.2 litres of clean water (UNI EN 1008) for every 20-kg bag (or 34-36% density). Make sure the tools are very clean before mixing because the presence of grains or coloured or black impurities, even of limited dimensions, can compromise the mirror finish, the final whiteness and cause scratches during the application.

Pour the product into a clean container with $\frac{3}{4}$ of the mixing water. Mix for about 3 minutes with a low-speed mixer, gradually adding the remaining water until you obtain a thixotropic, uniform, lump-free mixture. For the best application, leave the mixture to rest for a few minutes. Do not divide the packages up into partial mixtures.

If the product is stored in open, partially used sacks, it may not meet the technical characteristics outlined in this document.

Application

The previously prepared substrate must be wet until it is in SSD conditions (Saturated-surface-dry).

Apply the product with metal or stainless steel trowel, in one, two or three layers up to obtain a smooth and specular surface having thickness ≤ 3 mm. For higher thickness proceed laminating a second layer on the first one already hardened (at least 24 hours) or, alternatively, interpose an alkali-resistant reinforcement glass fibre mesh. This last operation will also produce an increase in resistance to elastic stress exerted on the material. **Artica** can be pigmented using paste and powder colours therefore it is ideal as a final decorative layer with mirror texture. For decoration with paints, mineral or synthetic coatings it is necessary to wait for at least 24 hours.

Do not apply **Artica** on substrates that have a film of water on the surface, are completely dry or in extreme conditions, such as walls exposed to full sun or frozen.

Make sure that the ambient temperature, that of the substrate and product during application is between +5 °C and +35 °C.

PRODUCT INFORMATION

Appearance	White powder
Particle size	<0.2 mm
Powder consumption	1 kg/m ² per mm of thickness
Mixing water	36-36% of the weight of the powder
Workability time at 20°C	180 minutes
Application thickness per coat	≤ 3 mm
Application temperature	From +5 °C to +35 °C
Storage	12 months in dry, protected place in unopened container at temperatures between +5 °C and +35 °C
Packaging	20 kg
pH of mixture	approx. 11



PERFORMANCE

Characteristic	Test method	Legal requirement	Performance
Dry density in bulk	EN 1015-10		1100-1200 kg/m ³
Resistance to compression at 7 dd	EN 1015-11		>6 (MPa)
Resistance to compression at 28 dd	EN 1015-11		>6.5 (MPa)
Flexural strength at 28 dd	EN 1015-12		>2 (MPa)
Consistency with flow table at T'0			≤180 mm

WARNINGS

- Product for professional use.
- Alkaline material: protect eyes and skin during application.
- After use, wash tools with water while the mixture is still fresh.
- The ambient temperature and humidity rate influence the workability, setting and drying times.
- Take care of the product's curing period for at least 24 hours after applying, protect the fresh mortar from rapid drying, direct sunlight, strong wind and heavy rain.

SAFETY

Please consult the safety data sheet for information about product disposal, storage and usage.

NOTES

This data sheet replaces and voids all previous versions.

The indications and specifications given in this document are based on our current technical and scientific knowledge. They should, however, be considered as purely indicative because we have no control over the conditions in which the product will be used. The purchaser must, therefore, check that the product is suitable for his specific requirements. Our sales and technical network guarantees rapid consultancy services and is at your disposal for any clarifications and questions you may have about the use and application of **Licata SpA** products.

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