

# Ekomas

**WATER-BASED PROFESSIONAL DEPTH CONSOLIDATOR, WITH HIGH PENETRATION POWER, GUARANTEED FOR THE RESTORATION OF LITTLE CONSISTENT AND HIGHLY ABSORBENT CEMENT-BASED SUBSTRATES BEFORE LAYING CERAMICS, PARQUET, CARPET OR RESILIENT MATERIALS. FOR INTERIORS AND EXTERIORS.**



**TECHNICAL SHEET - REVISION 01/2022**

## DESCRIPTION

EKOMAS is a single-component consolidating agent made with silicates in aqueous dispersion, totally free from volatile organic substances. Completely odourless and colourless. Thanks to its fluidity, it penetrates deep into the support ensuring an excellent degree of consolidation of all absorbent cement surfaces.

## FIELDS OF APPLICATION

EKOMAS is used as a consolidating treatment for new low-consistency cementitious screeds or tending to surface crumbling due to poor mixing or incomplete hydration of the binder, before laying self-leveling smoothing layers or ceramic coatings, natural stone, parquet or resilient floors. It is also used as a consolidating anti-dust treatment of cement surfaces, both on the wall and on the floor.

## PREPARING THE SURFACE

The surface must be dry, free of inconsistent parts, free of dust and greasy substances, old paints or shavings and any other material that may prevent the correct penetration of the product.

## APPLICATION

EKOMAS is a single-component product ready for use, to be applied as it is, by saturation, on the surface to be treated and to be distributed evenly with a brush, roller or deck brush, until completely absorbed. In the case of very degraded and highly absorbent surfaces, a second application of EKOMAS may be required. Avoid applications that may lead to stagnation of the product, as this could result in the formation of a non-stick glossy film. In this case, in order to ensure the adhesion of subsequent treatments, it is advisable to sprinkle the surface that has obvious stagnation with the fresh product and sand. Once hardened, remove the excess part of the non-adherent product. Before proceeding with the laying of cement shaving or ceramic floors, make sure that the surface is perfectly dry and hardened; however, not before 24-36 hours, depending on the climatic conditions. When using EKOMAS for consolidating chalking or not very resistant cementitious sealings of ceramic floors, it is sufficient to apply a single coat of the product with a brush, once the joint is completely soaked, taking care to distribute the product evenly, while cleaning the surface of the tiles with a damp cloth before its complete hardening.

## YIELD

0.5-2.0 kg/m<sup>2</sup>, depending on the porosity of the surface. For very porous and degraded surfaces, the amount needed could be as much as 3-4 times greater. It is always advisable to carry out preliminary tests to evaluate the amount of product needed to obtain the desired consistency.

## RECOMMENDATIONS

- ◆ FROST SENSITIVE.
- ◆ Store above +5 °C.
- ◆ EKOMAS leaves a slight wet effect that can be differentiated according to the absorption of the surface.
- ◆ For very compact exposed surfaces, it is advisable to carry out a preliminary test.
- ◆ Do not use EKOMAS on wet or non-absorbent surfaces.
- ◆ Do not use EKOMAS on gypsum-based surfaces or anhydrite screeds.
- ◆ Immediately remove any splashes or traces of the product from ceramic, glass, marble, metal fixtures surfaces.
- ◆ The tools used for laying EKOMAS can be cleaned with water before hardening.

## PACKAGING

EKOMAS is supplied in 5 kg plastic tanks on 450 kg pallets and in 25 kg plastic tanks on 825 kg pallets. Store the product in sealed containers, protected from frost and direct sunlight. Under these conditions its stability is at least 12 months.

## SAFETY INSTRUCTIONS

EKOMAS is irritating to the skin and the respiratory tract. If the product comes into contact with the eyes during handling, it could cause serious eye damage. When using, wear suitable rubber gloves, goggles and protect your face. In case of contact, wash thoroughly with water and contact a doctor. For more information on safe use of the product, refer to the relevant Safety Data Sheet.

## ITEM SPECIFICATIONS

Professional deep consolidator of thin cement screeds and absorbent bottoms before laying of ceramics, parquet, carpets or resilient materials, by means of water-consolidation, high penetration power, type **EKOMAS** by Colmef Srl, respecting a consumption of 0.5-2.0 kg/m<sup>2</sup>, depending on the porosity of the surface.

## TECHNICAL DATA

Appearance:	liquid
Colour:	transparent
Apparent specific weight (kg/l):	1.2
Solid residue (%):	25
pH value:	12
Brookfield Viscosity (cPs):	10-15
Drying Time:	24 h
Waiting time before laying ceramics:	≥ 24 after drying
Permissible application temperature:	from +5 °C to +35 °C

DATA DETECTION AT +23°C - 50% R.H. AND IN ABSENCE OF VENTILATION

The information in this bulletin is based on our best experience. We cannot be held liable for any product misuse. We therefore recommend anyone who intends to use this product to assess whether it is suitable for the intended application and to perform preliminary tests in any case. Always refer to the latest updated version of the technical data sheet available at [www.colmef.com](http://www.colmef.com).

**FOR MORE INFORMATION OR PARTICULAR USES, CONTACT THE COLMEF TECHNICAL SUPPORT DEPARTMENT.**

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