

TECHNICAL DATA SHEET

COLORED PLASTER with kourasani

PROPERTIES

PROLAT's **Colored Plaster with Kourasani** is a bioclimatic inorganic plaster that replaces the last coat of plaster and is applied in the classic plastering system after throwing and mud. It differs from the conventional final plasters as it contains pozzolan, hydrated lime and ceramic powder. The combination of ceramic powder - kourasani acts as a pozzolanic material, increasing its resistance to compression and bending. At the same time, the endurance in extreme weather conditions and in difficult environments, such as mountainous areas or areas by the sea, increases. The 100% inorganic nature of the plaster provides to the final surface excellent breathability, thus contributing to the building's bioclimatic character. In addition, its shades and consistency are not affected by UV radiation. It dries much faster than a classic plaster, helping to have drier facades without foci of growth of microorganisms and fungi. It is available in >50 ready shades.

APPLICATION AREAS

The **Colored Plaster with Kourasani** is applied to the surfaces where the conventional marble plaster is used. It replaces the classic final plaster providing bioclimatic properties and particularly increased breathability.

APPLICATION INSTRUCTIONS

Surface Preparation

The substrates must be dry, clean, and free of dust, oils, loose materials, etc.

Coloring procedure

The **Plaster Coloring Powder** is the pigment powder for coloring the **Colored Plaster with Kourasani**. One dose (one container) of pigment corresponds to 25 kg of **Colored Plaster**. Mix without the addition of water until the plaster acquires a homogeneous coloration. It is not recommended to mix the

materials individually, because of the possibility of variations of the final shade.

Application

Into a clean container with water empty the powder (25Kg). Stir for 5-10 minutes with a low-speed drill until a homogeneous, cohesive paste without lumps is created. Adjust the desired workability by slowly and gradually adding clean water. To apply the **Colored Plaster with Kourasani** (either with a press or by hand with a trowel) the steps are: Apply the first coat (flooring) and after it dries (after 10-15 minutes) apply the second coat. The total thickness of the two coats must be maximum of 5 mm. The second coat must be applied on the same day as the first coat and not the next day. After the second coat has dried, the initial rubbing (brine) is done with the grout float (not with a sponge). At the end of the rubbing, rub using up and down movements, so that the surface that will be left makes uniform lines to achieve a rustic or island style.

LIMITATIONS

Do not apply when the ambient temperature and/or the temperature of the substrate is below 5°C or above 35°C. There should also be no rain forecast for the next 1-2 days from the day of application.

CLEANING

After each use clean the tools with water.

STORAGE

Stored in places protected from frost, heat and sun for at least 12 months from the date of production.

SAFETY

Read carefully the label of the product before use. Detailed instructions regarding hazards and safety are provided in the Safety Data Sheet, which is available upon request.

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Technical Data: (at 23°C and 50%RH):			
Type	Mortar, mineral based mixture with kourasani	Compressive strength after 28 days (EN 1015-11)	14,7 N/mm ²
Consumption	7 kg/m ²	Coherence (EN 1015-3)	170 mm
Application temperature	From 5 °C to 35 °C	Density wet (EN 1015-6)	1,65 g/cm ³
Drying time	1-2 hours, depends on the substrate, of temperatures, and humidity	Density dry (EN 1510-10)	1,48 g/cm ³
Color	>50 shades	Thermal conductivity (EN 1745)	0,52 W/(m*K)
Reaction to fire	Euroclass A1. 96/603/EK	Coefficient of Thermal Conductivity $\lambda_{10,dry}$ [table A.12, EN 1745], (W/mK)	P=50% fractiles (P):0,52 P=90% fractiles (P): 0,56
Chloride salts	< 0,02%	Adhesion strength after 28 days (EN 1015-12)	1.60 N/mm ²
Coefficient of capillary water absorption (EN 1015-18)	W<0,1 kg/m ² .min ^{0.5}		

PACKAGING
25KG PAPER BAG

