

Powderfine Professional



Ultra fine-grained putty
in powder form

- » Smooth surface with the first application
- » Cracking-free
- » Excellent workability
- » Does not dehydrate and does not shrink during application
- » Resistant to temperature changes
- » Suitable for use with spray systems

Powderfine Professional is a white ultra fine-grained putty in powder form, enhanced with modified resins and special additives. It is characterized by high adhesion capacity and

ease of application, achieving a very smooth surface, with velvet texture, without imperfections and cracks.

It is classified as a **GP CS-III W,0** mortar according to **EN 998-1**.

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FIELD OF APPLICATION

Powderfine Professional is suitable for puttying and smoothing surfaces on ceilings and walls made of: plaster, concrete, gypsum boards, cement boards etc. with roughness up to 2mm, which will be coated with paint or wallpaper. When mixed with water, it creates a creamy paste that spreads evenly, without dehydrating, giving a smooth, lump-free and highly durable surface. No priming is required before application, in most cases. It is superior to traditional oil-putties with

time-consuming drying and surface oils-migration over time. It has great resistance to moisture, frost and temperature changes, ease of mixing and application. It dries quickly and can be sanded easily, ensuring fast, high aesthetic and reliable completion of work. Suitable for indoor use. In case of outdoor use, reinforcement with **KRAFT PAINTS** mortar improvement additives is recommended.

TECHNICAL DATA	
(Measurement conditions 20°C and 65% Relative humidity)	
Color	White
Mixing Ratio	8.00 lt water in 25kg Powderfine Professional
Grain size (max)	85±5 µm
Bulk Density of dry mortar	1,05±0,05kg/l
Bulk Density of fresh mortar	1,72±0,05kg/l
Application temperature	From +5°C to +35°C
Application thickness	Up to 1 mm per coat
Pot life	4 hours
Sanding	After 8-12 hours
Painting	After 24 hours

PRODUCT PERFORMANCES	
Compressive strength, EN 1015-11	≥ 5,5 MPa
Concrete Adhesion, EN 1015-12	≥0,60 N/mm² (Failure Pattern: B)
Water vapor permeability of hardened mortar (µ) EN 1015-19	5/20
Capillary water absorption (c), EN 1015-18	c ≤ 1,20 kg/m² min^{0.5} (W0)
Thermal conductivity (λ10, dry), EN 1745	< 0,45W/mK
Reaction to fire, EN 13501-1	Euroclass A1

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DIRECTIONS FOR USE:

- 1. SUBSTRATE - PREPARATION:** To ensure good adhesion substrate must be sound, clean, and free from dust, oil, lime, grease, tar, loose material, surface contaminants and other bond-inhibiting materials. Any existing cracks on the substrate must be repaired before application with the appropriate repairing products of **KRAFT PAINTS**.
On substrates with high absorbency (e.g. gypsum boards, cement boards etc.) is recommended to apply **Eco Dur Aqua** primer by **KRAFT PAINTS** diluted 1:1 to 1:2 with water. Caution! The primer must properly be diluted in order to be completely absorbed and avoid film formation to the substrate surface.
- 2. MIXING:** In a clean container add pure water and gradually empty the content of the package while stirring constantly with a low-speed electric mixer so that homogenous paste is obtained (8 – 8,8 lt water per 20 kg or 2 – 2,2 lt water per 5Kg **Powderfine Professional**).

IMPORTANT NOTES:

Minimum time between successive layers: 2-3 hours, depending on environmental conditions.

Sanding time: 8-12 hours after final layer, depending on environmental conditions.

Do not apply at temperatures below +5°C and above +35°C as well as at relative humidity above 65%.

During summer months, it is recommended to spray the substrate surface

Mixing must be done carefully so that no amount of product remains on the walls or bottom of the container. The product is ready for use when the mixture becomes homogeneous without lumps.

The homogenized mixture should be stirred at regular intervals so that no additional water is required.

3. APPLICATION: The application of **Powderfine Professional** on the substrate is recommended in thickness up to 1 mm per layer, using a flat metal spatula and ensuring complete coverage of the substrate.

On outdoor applications, as well as on surfaces with special problems of cracking or humidity, it is required the addition of mortar improvement additives by **KRAFT PAINTS**, replacing part of the required amount of water, depending on each application.

4. CLEANING OF TOOLS: Immediately after the application tools must be cleaned with warm water and soap or a detergent solution. Remove as much material as possible from tools before cleaning.

with water before application, as a precaution against rapid evaporation of the water contained in the mixture.

Before painting or applying wallpaper priming is mandatory.

Do not apply Powderfine Professional on glossy or non-absorbent surfaces such as metal, tiles, etc.

Do not add cement, gypsum or aggregates to the mixture

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CONSUMPTION

Consumption is about 1 Kg/m²/mm. It depends on the type of substrate, the method, the tools and the application conditions.

CE	Druckfarben Hellas S.A. Megaridos Ave., Kallistiri area, GR-19300 Aspropyrgos, Greece
21 DoP No 05.02 Powderfine Professional EN 998-1:2016 General purpose plastering mortar for internal use on walls, ceilings, columns and partitions (GP CS III)	
Reaction to fire	Euroclass A1
Water Absorption	W.0
Water Vapour Permeability (μ)	5/20
Adhesion	0.60 (FP B)
Thermal Conductivity (λ)	0,45 W/m.K (Tab.Value, P=50%)
Dangerous substances	see SDS

PACKAGING – SHADES

The product is packaged in 20Kg, 5Kg paper bags in White shade.

STORAGE

Stored on wooden pallets and in a dry environment with temperature above 5°C for 12 months from the production date.

HEALTH, SAFETY

& ENVIRONMENTAL INFORMATION

Carefully read and follow all cautions and warnings on product label. For further information, refer to the Material Safety Data Sheet of this product.

Poison Centre Tel:

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06/2024 THIS TECHNICAL DATA SHEET SUPERSEDES ALL PREVIOUS EDITIONS RELEVANT TO THIS PRODUCT

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DISCLAIMER: The above technical data, information, recommendations and guidance are based on scientific and technical knowledge, laboratory studies and long experience. However, the above information is considered to be as indicative and should be reviewed in any case in relation to each specific application conditions. Consequently, the suitability of each product in any application must be evaluated after referring to the updated Technical Data Sheet and to the website www.kraftpaints.gr, as well as after contacting the technical support department, in case of necessity. Our company guarantees the quality of the product itself, whilst in any case the user/applicant is exclusively responsible for any undesirable failures after using the product.

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