

# Powderfine Exterior



Ultra fine-grained putty in powder form for indoor & outdoor usage

- » **Smooth surface with the first application**
- » **Excellent workability**
- » **Great resistance to weather conditions**
- » **Cracking-free**
- » **Does not dehydrate and does not shrink during application**
- » **Suitable for use with spray systems**
- » **Indoor & outdoor usage**

**Powderfine Exterior** is a white ultra fine-grained putty in powder form for indoor & outdoor usage. Its composition is based on suitably modified resins, improvers and special additives, providing the product with a high adhesion capacity, great resistance to weather conditions and ease of

application. A smooth surface, with a velvety texture, without imperfections and cracks, is achieved after application.

It is classified as a **GP CS-IV Wc0** mortar according to **EN 998-1**.

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## FIELD OF APPLICATION

**Powderfine Exterior** 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 & outdoor usage.

<b>TECHNICAL DATA</b>	
(Measurement conditions 20°C and 65% Relative humidity)	
Color	<b>White</b>
Mixing Ratio	<b>10.00 lt water in 25kg Powderfine Exterior</b>
Grain size (max)	<b>85±5 µm</b>
Bulk Density of dry mortar	<b>1,05±0,05kg/l</b>
Bulk Density of fresh mortar	<b>1,55±0,05kg/l</b>
Application temperature	<b>From +5°C to +35°C</b>
Application thickness	<b>Up to 1 mm per coat</b>
Pot life	<b>4 hours</b>
Sanding	<b>After 8-12 hours</b>
Painting	<b>After 24 hours</b>

<b>PRODUCT PERFORMANCES</b>	
Compressive strength, EN 1015-11	<b>≥ 6,0 MPa</b>
Concrete Adhesion, EN 1015-12	<b>≥0,70 N/mm<sup>2</sup> (Failure Pattern: B)</b>
Water vapor permeability of hardened mortar (µ) EN 1015-19	<b>5/20</b>
Capillary water absorption (c), EN 1015-18	<b>c ≤ 1,20 kg/m<sup>2</sup>min<sup>0,5</sup> (W0)</b>
Thermal conductivity (λ10, dry), EN 1745	<b>&lt; 0,45W/mK</b>
Reaction to fire, EN 13501-1	<b>Euroclass A1</b>

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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 10-11 lt of pure water and gradually empty the content of a 25 kg paperbag of **Powderfine Exterior**, while stirring constantly with a low-speed electric mixer so that homogenous paste is obtained.

## 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 Exterior** on the substrate is recommended in thickness up to 2 mm per layer, using a flat metal spatula and ensuring complete coverage of the substrate.

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:** Tools should be cleaned immediately after application with plenty of water while the material is still fresh or otherwise mechanically. 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 Exterior** 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/m<sup>2</sup>/mm. It depends on the type of substrate, the method, the tools and the application conditions.

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<b>22</b> DoP No 05.04 <b>Powderfine Exterior</b> <b>EN 998-1:2016</b> General purpose rendering mortar for use on external walls, ceilings and columns ( <b>GP CS IV</b> )		
Reaction to fire	Euroclass A1	
Water Absorption	W <sub>0</sub>	
Water Vapour Permeability (μ)	5/20	
Adhesion	0.7 (FP B)	
Thermal Conductivity (λ)	0.45 W/m·K (Tab. Value, P=50%)	
Durability	NPD	
Dangerous substances	See SDS	

## PACKAGING – SHADES

The product is packaged in 25Kg paper bags in White shade.

## STORAGE

Store in a dry place, in a place protected from moisture, in its original packaging, preferably on pallets for 12 months from the date of production.

## 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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05/2023 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](http://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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