

Powderfine ACRYLIC GEL Eco



White, ultra fine-grained, cementitious, acrylic putty in powder form

- » Excellent workability with extended open time and smooth application.
- » Minimizes material loose due to dehydration
- » Strong adhesion to the substrate
- » Easy to sand
- » Exemplary smooth surface
- » Resistant to temperature and humidity (& alkalinity)
- » Cracking free
- » No dehydration, no shrinkage
- » Suitable for use with airless spray system
- » Internal-external usage

DESCRIPTION

PowderFine ACRYLIC GEL Eco is a white, ultra fine-grained putty, in powder form. Its advanced formulation contains cement with low CO₂ footprint and an ideal combination of acrylic resins and modified inorganic additives that form the Gel mechanism, giving the product excellent workability, extended open time, and moisture resistance. The Gel property gives it a uniquely smooth application and high coverage. The final surface has a velvety texture, free of cracks and imperfections.

Its specially designed composition has been certified for extremely low VOC emissions according to EMICODE EC1^{PLUS}. At the same time, it meets the specifications of the BREEAM GN22 certification (Building Research Establishment Environmental Assessment Method), one of the most widely recognized and stringent international sustainability certification systems for buildings.

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

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FIELD OF APPLICATION

Powderfine ACRYLIC GEL Eco is suitable for filling and smoothing surfaces like ceiling and walls made of plaster, concrete, gypsum boards, cement board 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 dehydration, giving a smooth, lump-free and highly durable surface while requiring minimal effort from the applicator.

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 and reliable completion of work.

TECHNICAL DATA (Measurement conditions +20°C and 65% Relative humidity)	
Color	White
Mixing Ratio	2,0 l water to 5kg PowderFine ACRYLIC GEL Eco 8,0-8,4 l water to 20kg PowderFine ACRYLIC GEL Eco
Grain size (max)	85±5 µm
Bulk Density of dry mortar	1,05 ± 0,05kg/l
Bulk Density of fresh mortar	1,55 ± 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
Consumption	1 kg/m ² per 1mm layer

PRODUCT PERFORMANCES		
Compressive strength	EN 1015-11	≥ 5,00 MPa
Concrete adhesion	EN 1015-12	≥ 0,90 N/mm ² (Fracture Pattern : B)
Water vapor permeability of hardened mortar (µ)	EN 1015-19	5/20
Capillary water absorption (c)	EN 1015-18	c≤ 1,00 kg/m ² h ^{0,5} (W0)
Thermal conductivity (λ10, dry)	EN 1745	< 0,45 W/mK
Reaction to fire	EN 13501-1	Euroclass A1

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DIRECTIONS FOR USE

1.SUBSTRATE–PREPARATION: To ensure proper adhesion, the substrate must be clean, sound, and free from dust, oils, lime, tar, and loose or friable materials. Any existing cracks on the substrate must be repaired before application using the appropriate **KRAFT Paints** repairing mortars. On substrates with high absorbency (e.g., plasterboards, cement boards, etc.), it 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 filled with clean water, gradually add the product under continuous stirring using a low-speed electric mixer. Use 8–8.4 l of water per 20 kg or 2–2.1 l of water per 5 kg of **Powderfine ACRYLIC GEL Eco**. Mixing must be carried out carefully to ensure no dry powder remains on the sides or at the bottom of the container. The product is ready for use when the mixture becomes homogeneous and creamy, without lumps. It is recommended to allow the mixture to rest for approximately 3 minutes, then re-mix before use to fully activate the Gel mechanism. The homogenized mixture should be stirred at regular intervals so that no additional water is required.

3. APPLICATION: The application of **Powderfine ACRYLIC GEL Eco** on the substrate is recommended in layers up to 1 mm thickness per coat, using a flat metal trowel and ensuring full coverage of the substrate. On outdoor applications, as well as on surfaces with special problems of cracking or humidity, the addition of mortar additives by **KRAFT Paints** is required, replacing part of the required amount of water, depending on each application.

Apply two layers of **Powderfine ACRYLIC GEL Eco**. After 12 hours, the final coat should be sanded with fine sandpaper and dusted thoroughly. The skim-coated surface must be allowed to dry completely before proceeding with priming and painting.

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

IMPORTANT NOTES

Time between consecutive coats: 2–3 hours, depending on conditions.

Sanding time: 8–12 hours after the final coat.

Application temperature: +5° - +35°C, with relative humidity up to 65%.

Protect surfaces from strong air currents and direct sunlight.

During summer months, it is recommended to spray the substrate with water before application to prevent rapid evaporation of the water contained in the mixture. The final surface should be prepared with the appropriate primer before painting or wallpapering. Do not apply **Powderfine ACRYLIC GEL Eco** on glossy or non-absorbent surfaces (e.g., metal, tiles, etc.). **Do not add cement, gypsum, or aggregates to the mixture.**

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PACKAGING-SHADE

Available in a 20 kg paper bag and a 5 kg plastic bag, in white shade.

	Druckfarben Hellas S.A. Megaridos Ave., Kallistiri area, GR-19300 Aspropyrgos, Greece
25 DoP No 05.29 Powderfine ACRYLIC GEL Eco EN 998-1:2016 General purpose rendering mortar for use on external walls, ceilings and columns (GP CS III)	
Reaction to fire	Euroclass A1
Water Absorption	W _c 0
Water Vapour Permeability (μ)	5/20
Adhesion	0.60 (FP: B)
Thermal Conductivity (λ)	0.39 W/m·K (Tab. Value, P=50%)
Durability	NPD
Dangerous substances	See SDS

CONSUMPTION

Consumption is approximately 1 kg/m²/mm. It depends on the type of substrate, the application method, and the application conditions.

STORAGE

Store in a dry environment, protected from moisture, in its original unopened packaging, preferably placed on pallets, for up to 12 months from the production date.

HEALTH, SAFETY & ENVIRONMENTAL PROTECTION INSTRUCTIONS

Read the label carefully before use. For more information, please refer to the Safety Data Sheet.

Poison Centre Telephone:

210 7793777

CERTIFIED SYSTEMS

ISO 9001 ISO 140001 ISO 50001 ISO 45001

08/2026 THIS TECHNICAL DATA SHEET SUPERSEDES ALL PREVIOUS EDITIONS RELEVANT TO THIS PRODUCT

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DISCLAIMER: The above technical data, information, recommendations, and instructions are based on our scientific and technical knowledge, laboratory studies and long experience. However, the above information should be considered indicative and should be reviewed in any case in relation to each specific condition and practical application. Consequently, the suitability of the product for each specific application must be evaluated after referring to the updated Technical Data Sheet and to our website www.kraftpaints.com, as well as after contacting our 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 consequences after using the product.

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