

Fast Repair 70



Fast-setting, fiber reinforced,
render repairing mortar

- » **Fast-setting (~30min)**
- » **High mechanical strength within 24 hours**
- » **Excellent workability**
- » **Finishing texture similar to traditional finishing renders**
- » **Resistant to temperature changes**
- » **Zero shrinkage & dehydration cracks**
- » **Water vapor permeable**
- » **Indoor and outdoor usage**

Fast Repair 70 is a white, fast-setting, fiber reinforced, cement-based, render repairing mortar. It contains in its composition special, natural, active additives that inhibit the formation of shrinkage & dehydration cracks and at the same time offer thixotropy, high adhesion and excellent workability. The selected ratio of cement and graded

aggregate granulometry offers a finish texture similar to that of traditional finishing renders, while ensuring double mechanical strength.

It is classified as general purpose render repairing mortar **GP CS-IV W_c0** according to **EN 998-1**.

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FIELD OF APPLICATION

Fast Repair 70 is suitable for repairing damages on renders, plasters, missing endings on corners, holes and wide cracks on walls and ceilings, as well as repairing any relative defects – damages resulting from plumbing, electrical, carpentry, frames installation works etc. It is

suitable especially in cases where fast delivery of works (tight schedule) is required. It is applied in thickness of 3-30 mm (locally up to 50 mm).

Suitable for indoor and outdoor usage.

TECHNICAL DATA (Measurement conditions 20°C and 65% Relative humidity)	
Color	White
Mixing Ratio	5.25 l water in 25kg FAST REPAIR 70
Grain size (max)	1mm
Bulk Density of dry mortar	1,55±0,05kg/l
Bulk Density of fresh mortar	2,10±0,05kg/l
Application temperature	From +5°C to +35°C
Pot life	1 hour
Consumption	1,4-1,5 kg/ m²/mm

PRODUCT PERFORMANCES	
Compressive strength after 24 hours, EN 1015-11	≥ 4,0 MPa
Compressive strength after 28 days, EN 1015-11	≥ 10,0 MPa
Adhesion to concrete, EN 1015-12	≥0,60 N/mm² (Fracture Pattern: B)
Water vapor permeability of hardened mortar (μ), EN 1015-19	15/35
Capillary water absorption (c), EN 1015-18	c ≤ 1,20 kg/(m²min^{0,5})
Thermal conductivity (λ ₁₀ , dry), EN 1745	0,95W/mK
Reaction to fire, EN 13501-1	Euroclass A1

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DIRECTIONS FOR USE:

1. SUBSTRATE – PREPARATION: To ensure good adhesion substrate should be sound, clean, rough, free of dust, oil, lime, tar and loose elements. Light soaking with water before use. On substrates with high absorbency (eg aerated concrete, old plasters/renders, etc.) it is recommended to apply **Eco Dur Aqua** 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 on the substrate surface.

On “demanding” or very smooth substrates (eg exposed brick, smooth exposed concrete, etc.) it is recommended to apply **Fast Repair 70** as a spatterdash coat, mixed with **KRAFT PAINTS** mortar reinforcement resin, in a ratio of 1: 3 - 1 : 4 in mixing water, depending on each application.

2. MIXING: In a clean container with pure water gradually empty the content of the package, while stirring constantly with a low-speed electric mixer (5 – 5,5 lt per 25Kg or 1 – 1,1 lt per 5Kg **Fast Repair 70**). 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.

3. APPLICATION: Application of **Fast Repair 70** to the substrate is carried out using a metal spatula or trowel in a thickness of 3-30 mm per layer (locally up to 50mm). When the mortar starts to dry enough (~30min), the surface is smoothed by rubbing with polystyrene, sponge float, plastering float or trowel, depending on the desired finishing texture. Subsequent layers are applied when the previous ones have sufficiently dried and after light soaking with water.

For further improvement of adhesion and flexibility, where needed, it is recommended to add **KRAFT PAINTS** mortar reinforcement resin, in a ratio of 1:2 - 1:3 to the mixing water, depending on each application.

On substrates of adjacent joints of dissimilar materials (eg concrete brick with aerated concrete) or on substrates of thermal insulation boards (eg beams, columns, etc.) it is recommended to reinforce **Fast Repair 70** using anti-alkaline fiber mesh, covering the joints by at least 10 cm to each side, to avoid cracks due to movement of the substrate.

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.

IMPORTANT NOTES:

Time between successive layers: 30-60 min, depending on environmental conditions.

Sanding time: ~30 min 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%.

Do not apply in case of impending rain for at least the next 24 hours after application.

It is recommended to protect the surfaces against strong wind currents and direct sunlight.


In periods of high temperatures (warm months) light wetting of the final surface is recommended for 24 - 48 hours after application.

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CONSUMPTION

Consumption is about 1,4 – 1,5 Kg/m²/mm. It depends on the type of substrate, the method, the tools and the application conditions.

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22 DoP No 05.06 Fast Repair 70 EN 998-1:2016 General purpose rendering mortar for use on external walls, ceilings and columns (GP CS IV)	
Reaction to fire	Euroclass A1
Water Absorption	W 0
Water Vapour Permeability (μ)	15/35
Adhesion	0.55 (FP B)
Thermal Conductivity (λ)	0.95 W/m·K (Tab. Value, P=50%)
Durability	NPD
Dangerous substances	See SDS

PACKAGING – SHADES

The product is packaged in 25Kg, 5Kg valve 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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CERTIFIED SYSTEMS

ISO 9001 ISO 140001 ISO 50001 ISO 45001

07/2024 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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