

F510 WR

Water-repellent, Cementitious, White, Finishing Render

Description

F510 WR is a dry-mixed white finishing render based on white cement, specially graded limestone aggregates, hydrated lime, selected polymer-modified additives, and water-repellent admixtures. It requires only the addition of water before use, thereby increasing application speed and ease of installation.

The product is classified as finishing render for internal and external applications, **GP CS II Wc2** according to **EN 998-1**.

F510 WR is provided with an Environmental Product Declaration (**EPD**), Registration No. EPD-IES-0014251.

Field of Application

F510 WR can be used as finishing render, on walls & ceilings, in a thickness of approximately 5mm.

Ideal product when high water repellency is required (e.g. buildings: with high levels of damp, seaside, with problems of rising damp, etc.). Suitable for high productivity projects, with reduced time, application cost and material waste. It offers flat surface, with excellent & stable quality, superior to mortars manually produced on site. Offers highly efficient spray application, with low wear on spray machines.

It is ideal for smooth, dash or sand finishing surfaces as well as for various special finishing techniques.

Suitable for indoor & outdoor usage.

Technical Data

Technical Characteristics

Appearance	Cementitious powder
Colour	White
Maximum grain size	1,4mm
Apparent density of dry mortar	1,60±0,05kg/cm ³

Application Properties@ 23oC / 50% RH

Mixing ratio	6,5 lt water per 30kg	
Apparent density of dry mortar of fresh mortar	1,80±0,05 kg/cm ³	EN 1015-6
Application temperature	5°C-35°C	
Workable time	Up to 60min @ 20°C	
Application thickness per layer	5 mm	
Initial setting time	24 hours	
Consumption	1,4 – 1,5 Kg/m ² /mm	

Performance

Compressive strength	≥3,5 N/mm ²	EN 1015-11
Flexural strength	≥1 N/mm ²	EN 1015-11
Adhesion	≥0,2 N/mm ² FP:B	EN 1015-12
Capillary water absorption	Wc2	EN 1015-18
Water vapour permeability coefficient, μ	≤5/20	EN 1015-19
Thermal conductivity (λ10, dry)	0,54 W/mK	EN 1745
Reaction to fire	Class A1	EN 13501-1

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Directions for Use

1. SUBSTRATE – PREPARATION: The application substrate should be clean, solid, free of loose parts, dust, oil, tar, lime, etc. Before application, light soaking the surface with water, without formation of standing water. On substrates made of: concrete, brick, stone, etc., it is recommended to use bonding sputterdash mortar **Π220** or **Π240** by **INTERMIX**, depending on each application. In cases of very absorbent substrates (e.g. porous concrete, old plasters/renders, etc.) it is recommended to precede the priming with a micromolecular, water-based, impregnation, acrylic primer, diluted appropriately so that it penetrates the surface, avoiding film formation on the substrate.

2. MIXING: In a clean container with pure water, gradually add the package content, under constant stirring with a low-speed electric mixer (**6-7 lt water per 30Kg F510 WR**). Mix carefully until the mixture becomes homogeneous, without lumps and taking care not to leave any amount of package content on the walls or bottom of the container. The mixture is ready to use for the next 45 minutes at 20°C.

3. APPLICATION: Apply **F510 WR** to the surface using a suitable metal spatula or trowel to a **thickness of 5mm**. Smooth the surface with a suitable sander, polystyrene block, sponge or spatula, depending on the desired effect, and after the material begins to dry sufficiently. In case of using the material with the help of mechanical equipment (pumps etc.), please contact with **Technical Support of INTERMIX**.

4. CLEANING OF TOOLS:

Remove as much product as possible from tools while still fresh and clean using water. When the material hardens it is removed by mechanical means.

Important Notes

Do not apply at substrate & environment temperatures below +5°C and above +35°C.

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

It is recommended to protect the surfaces from strong air currents & direct, intense solar radiation using protective covers.

Do not add additional water and/or cement, gypsum, lime, or other materials that may affect the properties of the mortar.

Lightly wet the application surface periodically during periods of high temperatures (summer months).

Consumption

Indicative consumption: **1,4 – 1,5 Kg/m²/mm**.

It depends on the type of substate, the method, the tools and the application conditions.

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Packaging - Colors

Available in 30Kg paper bag package (pallet of 48 bags, 1440 Kg), in white color.

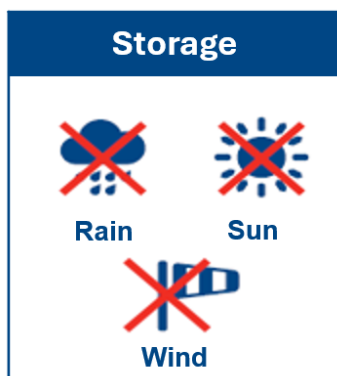
Storage

For 12 months from the date of production, in sealed, original packaging, at a cool, dry and well-ventilated place.

Notes

INTERMIX bagged products help keep the environment clean.

- They reduce waste and material losses
- They reduce environmental pollution.
- Their packaging is fully recyclable.





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EN 998-1:2016
DoP No: INTERMIX 30
General purpose rendering/plastering mortar
for internal and external use (GP/CS II)

Reaction to fire: Capillary water absorption: Water vapour permeability coefficient (μ): Thermal conductivity ($\lambda_{10,dry}$): Adhesion:	Euroclass A1 W_{c2} $\mu \leq 5/20$ 0,54 W/mK $\geq 0,2$ N/mm² FP: B
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