

# REPI FIX

## REPIFIX EXTRA WRM 512

Rendering and masonry mortar

REPIFIX EXTRA WRM 512 is a mortar suitable for rendering and masonry. It consists of cement, lime, quartz sand, limestone aggregates and improvers. It has strong adhesion to all common substrates and excellent workability. It is suitable for indoor and outdoor use. It is ideal for all kinds of repairs and restoration of plaster and masonry. It is produced and tested according to the European standards EN 998-1 (plasters) and EN 998-2 (masonry mortars).



### Advantages:

- Multiple constructions with only one product.
- Strong adhesion to the substrate.
- High strength – fast application.
- Allows surface breathability.
- Excellent workability.
- Produced with quartz sand.
- Certified with CE – according to the European Standards EN 998-1 and EN 998-2.



## TECHNICAL CHARACTERISTICS



### Packaging:

- Paper valve bag  
25kg



### Application:

Indoor and outdoor use. It is suitable for minor repairs and restoration of fallen plasters and simple cracks in the masonry.



### Color:

Grey, White.



### Storage:

Store in sealed bags in a dry environment at temperatures above 0° C for 12 months from the production date.



### Consumption:

Approximately 15 kg/m<sup>2</sup>  
per cm layer thickness

## FIELDS OF APPLICATION

REPIFIX EXTRA WRM 512 is suitable for minor repairs and restoration of fallen plasters and simple cracks in masonries.

## SUBSTRATE PREPARATION

First, with an appropriate tool (chisel or spatula) remove the loose parts of the plaster or parts of plaster that have been detached or cracked. Then clean the surface thoroughly with a hard brush and wash it thoroughly to remove all dust. Keep the wall wet until saturation. Prime the parts of the wall that will come in contact with the repairing mortar with the primer GLX 290.

## APPLICATION

In a clean container add 4.6-4.7 liters of clean water and gradually empty the content of the bag (25Kg) while mixing continuously, in order to produce a homogenous mass of mortar. Leave the mixture to mature for 3 min and mix again briefly. It is also recommended to periodically mix the mixture for as long as the repair lasts. Do not add additional water to correct the workability of the mortar. This shall lead to a decrease of resistances and to the increase of its shrinkage.

REPIFIX EXTRA WRM 512 is applied like common plaster or common masonry mortar. For application as a plaster, it is normally rubbed with a spongy flute. Note that the waiting for the rubbing process varies with temperature changes, substrate absorbency and mixing water ratio. Apply the first coat of plaster using the repair mortar REPIFIX EXTRA WRM 512, paying attention to bring the repairing plasters back to contact with the existing masonry and old plaster surfaces. Wherever necessary, insist on the trowel to ensure better contact. Next, when the first coat is applied, continue with the application of a second final coat. When pulling and the final layer has passed through the bar, it is ready to be smoothed out wherever necessary.

It is recommended to reinforce REPIFIX EXTRA WRM 512 with glass mesh in substrates of heat-insulating panels (eg polystyrene slabs). The glass mesh is placed as follows: A first coat of plaster is applied and while still fresh, the glass strip is pressed gently inside the plaster. Then, a second and final coat is applied. It is necessary that the mesh is fully incorporated with REPIFIX EXTRA WRM 512 and located at 1/3 of the layer's thickness from the outside to the inside. Finally, the mesh should also cover the area on both sides of the thermal insulation plates by 10-15 cm.

## REINFORCEMENT

It is recommended to use the THRAKON LATEX 296 polymer latex where it is necessary for increased surface enhancement and resistance to contraction. Mixing ratios of LATEX 296 to water are as follows:

- 1:3 for the first coat of REPIFIX EXTRA WRM 512
- 1:5 for the final coat of REPIFIX EXTRA WRM 512

It is recommended to keep the surface wet and avoid rapid evaporation in the first days of application, especially when the temperature is high or when the application is under strong sunlight. In conditions of abrupt drying of the plaster, such as temperatures, sprinkle the plaster with water for the first 2 days after application.

## APPLICATION TEMPERATURE

The product must be applied when the ambient temperature is between 5°C and 35°C and not under rain. When the temperature is high, the strength develops faster, while the workability of the material decreases. In low temperatures, strength development is delayed.

## CLEANING OF TOOLS

Tools should be cleaned immediately after application with plenty of water.

## NOT RECOMMENDED

The application of the product is not allowed:

- When there is a frost forecast for the next 24 hours after the application of the product.
- Under wet conditions.
- On substrates directly exposed to intense solar radiation or on warm substrates.

## PRECAUTIONS

REPIFIX WRM 512 product contains cement and reacts with water to produce an alkaline solution. For this reason, protect your eyes and skin. In case of contact rinse with plenty of water. In case of contact with eyes seek medical advice immediately. Read the information on the label and in the product's Technical Brochure before use. Wear appropriate protective clothing and gloves. The product's Safety Sheet is available to professionals upon request.

Technical characteristics	Units	Standard	Value
Appearance			Dry powder
Color			White, grey
Thickness of application	cm		2 per coat
Application temperature	°C		5 to 35
Temperature resistance	°C		-30 to 90
Reaction to fire	Class		A1
Maximum grain size	mm		1.4
Workable time	h	EN 1015-9	2
Dry bulk density	kg/l		1.35 ± 0.10
Bulk density of fresh mortar	kg/l	EN 1015-6	1.45 ± 0.10
Dry bulk density of hardened mortar	kg/l	EN 1015-10	1.35 ± 0.10
Compressive strength	N/mm <sup>2</sup>	EN 1015-11	≥ 5.0
Flexural strength	N/mm <sup>2</sup>	EN 1015-11	≥ 1.4
Adhesion to substrate	N/mm <sup>2</sup>	EN 1015-12	≥ 0.29
Water vapor permeability coefficient	μ	EN 1745	5/20
Thermal conductivity coefficient λ	W/mK	EN 1745	0.47
Initial shear strength	N/mm <sup>2</sup>	EN 998-2	> 0.15

\*Note: The measurements were taken in laboratory environment under a temperature of +23°C, Relative humidity 50% and without ventilation. It is possible for them to vary depending on the conditions prevailing at the worksite, such as temperature, humidity, ventilation, absorbability of the substrate.

The technical information and instructions contained in the present brochure and referring to the application and end use of Thrakon products are based on the up to now know-how and experience of the Company with regards to the products and are provided in good faith as long as such products are stored, used and applied as per Thrakon recommendations. Due to the inability, on our part, to directly inspect the conditions prevailing at the worksite as well as the application procedures of the product, the Company does not provide any guarantee with regards to the adequacy of its products for specific purpose while the Company shall not bear any legal responsibility based on the information stated in the present brochure or any other written, oral, or otherwise provided recommendations and instructions. The users of the products are advised to perform a limited surface testing of the products adequacy for the eventual application and use intentions. Thrakon reserves the right to modify the features of its products without prior notification. All orders shall be approved only following acceptance of the above and under the eventual Commercial Policy terms of the Company. The issuance of the present brochure voids any prior version.

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