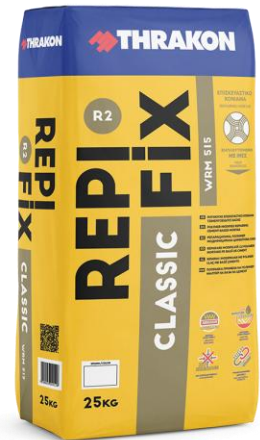


REPI FIX

REPIFIX CLASSIC WRM 515

Repairing mortar

REPIFIX CLASSIC WRM 515 is a one-component, polymer modified, cement based repairing mortar for concrete. It consists of cement, quartz sand, and additives. After mixing with water the resulting paste can be applied by trowel to repair the surface. REPIFIX CLASSIC WRM 515 does not shrink and has very good adhesion to concrete, frost and moisture resistance. It is suitable for inside and outside use. It is classified as a PCC R2 type repairing mortar for concrete according to EN 1504-3.



Advantages:

- Non shrinkable with high adhesion strength to the concrete.
- High mechanical strengths .
- Application thickness up to 2 cm and up to 5 cm for localized repairs.
- Resistance to humidity.
- Resistance to abrasion.



TECHNICAL CHARACTERISTICS



Packaging:

- Plastic bags 5 kg
- Paper valve bags 25 kg



Application:

Suitable for concrete or brickwork repair and patching. Suitable for leveling concrete irregularities.



Color:

Grey, White, Cotto.



Storage:

Stored sealed in a dry environment with temperature above 0°C for 6 months from the production date.



Consumption:

- Approximately 15 kg/m² per cm layer thickness
- 1.8-2.6 kg/m for 5-6 cm groove formation

FIELDS OF APPLICATION

- Suitable for concrete or brickwork repair and patching, etc.
- For groove formation on the connections between floors and walls (i.d. at the corners between the concrete slab and the basement floor, etc) or at the corners between the walls.
- For leveling of irregularities or for parts of concrete surfaces that suffers from separation of aggregates.
- It is produced in cotto color that is suitable for roof tile application (ridgepoles).
- After hardening, REPIFIX CLASSIC WRM 515 can be covered with waterproofing materials like bituminous base sealants or flexible cementitious waterproofing slurries.

SUBSTRATE PREPARATION

Firstly, make sure that the surface is clean from loose particles and corroded or carbonated parts of concrete using a hammer or chisel or a sand blaster. In case of existing reinforcement, this needs to be exposed peripherally in order for the material to penetrate. Prior to the application roughen the concrete surfaces that will come in contact with the product. Remove all residues with water under pressure and remove any excess water. It is recommended to pre-coat the substrate and the metallic reinforcement with the primer WRM 510 before the application of the product, in order to ensure the optimum adhesion of the material to the substrate. The substrate must be slightly wet.

APPLICATION

In a clean container add 4,6-5 litres of clean water and gradually empty the content of the bag while mixing continuously, in order to produce a homogenous mass of mortar. Leave the mixture to mature for 5 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. Wherever necessary cast the part of concrete to be repaired and then place the REPIFIX CLASSIC WRM 515 repairing mortar taking care that there is a careful layering and covering of all voids.

Make sure that all the air cavities are removed and there are no voids. The thickness of the mortar can reach up to 2 cm per large area layers or 5 cm for localized repairs. To obtain uniform strengths and to avoid cracks the final surface must be retained wet for the first few days following the application and rapid drying must be prevented by way of a suitable wet cover. Special care must be taken during the summer months, and for surfaces exposed to strong sun. 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, the strength development is delayed. The wooden casts must be well saturated but without forming water pools.

CLEANING OF TOOLS

With plenty of water immediately after use.

NOT RECOMMENDED

The application of the product is not allowed:

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

PRECAUTIONS

REPIFIX CLASSIC WRM 515 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			grey/white/cotto
Reaction to fire	EUROCLASS	EN 13501-1	A1
Maximum thickness of application (for localized repairs)	cm		5
Temperature resistance	°C		-30 to +90
Maximum grain size	mm		1.4
Workable time (20°C)	h	EN 1015-9	2
Dry bulk density	kg/l	EN 1097-3	1.25 ± 0.10
Compressive strength	MPa	EN 12190	≥ 15
Chloride ion content	%	EN 1015-17	≤ 0.05
Thermal compatibility part 1	MPa	EN 13687-1	≥ 0.8
Bond strength	MPa	EN 1542	≥ 0.8
Capillary absorption	kg·m ⁻² ·h ^{-0,5}	EN 13057	≤ 0.5
Shrinkage			No

*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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