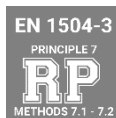
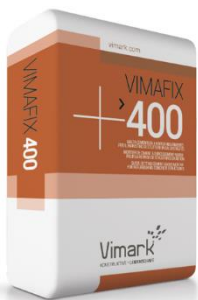




VIMAFIX 400

Fast setting, thixotropic, fibre-reinforced, cementitious mortar for repairing concrete structures



Vimark
Strada Spartafino 2
12016 Peveragno (CN) Italy
Ph. +39 0171 383800 | Fax +39 0171 339395
info@vimark.com | Vimark.com



VIMAFIX 400

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- DESCRIPTION**
- COMPOSITION**
- SUBSTRATE PREPARATION / PRE-TREATMENT**
- MIXING AND APPLICATION**
- TOOL CLEANING**
- YIELD / CONSUMPTION**
- COLOUR**
- PACKAGING**
- EXPIRATION / CONSERVATION**
- WARNINGS**
- PRODUCT DATA**
- APPLICATION DATA**
- TECHNICAL DATA**

VIMAFIX 400 is a fast setting, thixotropic, fibre-reinforced, cementitious mortar for protecting and repairing concrete structures. Its physical and mechanical properties allow to correct any irregularities of up to 40 mm thick with a quick application. The cementitious mortar can be used for repairing reinforced concrete structures such as front panels of balconies, beams, columns, string courses, mouldings, cornices and fairfaced concrete surfaces.

VIMAFIX 400 is a premixed product made of special hydraulic binders, siliceous and calcareous aggregates, special glass fibres and additives that improve the quality of the product in terms of adhesion, mechanical resistance and workability.

CONCRETE

The substrates to repair must be stable, clean, solid, free of brittle parts, dust, bacterial proliferation, saline efflorescence, oils, grease, wax, residues of previous work etc. Remove via milling or hydro demolition the degraded parts. Roughen the surface to be anchored, remove dust and wet substrates until saturated. Wait for the excess water to evaporate and then apply the repairing product.

REBARS

Remove depending on the degree of SA ½ cleaning (ISO 8501-1), the oxidation from the reinforcement bars by manual and mechanized cleaning or by meticulously sanding. Apply the passivating mortar **VIMAPASS** with two coats to cover the entire surface of the rebars to be treated. Apply the repairing mortar **VIMAFIX 400** once the protective mortar is dry (after 6- 8 hours). Wet the substrates until saturated before applying mortar.

Mix a 25 kg bag of **VIMAFIX 400** with approx. 4.5-5 litres of clean water using an electric mixer until smooth and free of lumps. Considering the fast setting and hardening time of the product, we recommend preparing only the amount of product to be used within 20 minutes from mixing. Apply product by hand using a spatula or trowel until a thickness of no more than 40 mm and finish with a sponge trowel in order to obtain a sponged appearance. Paint can be added once completely dry. We suggest using a highly protective elastomeric paint as Vimark **ELASTIK.A**.

Clean all equipment and tools with water immediately after use. The hardened material can only be removed by physical scraping.

15 kg per m² per cm of thickness.

Grey.

5 kg small bags in box of 20 kg (4 small bags per box).
25 kg bags on disposable pallets of 1575 kg (63 bags) protected by plastic stretch wrap.

12 months from the date of production.
Keep the product in its original packaging, intact and protected from moisture and frost.

Do not apply in temperatures below +5°C, in the presence of strong wind, rain or in direct sunlight. In summer months, the temperature when applying must not be above +35°C. Do not apply to surfaces that are frozen, dusty, inconsistent or unstable. Apply thicknesses of between 5 and 40 mm. Wet the substrates until saturated before applying mortar. Protect the applied product from frost and wait for complete drying before applying top coating or final decorations.

▪ <i>Appearance</i>	Powder	
▪ <i>Colour</i>	Grey	
▪ <i>Dry bulk density</i>	~ 1400 kg/m ³	EN 1015-10
▪ <i>Maximum aggregate size</i>	≤ 1 mm	
▪ <i>Water content of mix</i>	18-20%	
▪ <i>Mixing ratio</i>	1 bag + 4.5-5 litre of water	
▪ <i>Minimum application temperature</i>	+ 5°C	
▪ <i>Maximum application temperature</i>	+ 35°C	
▪ <i>Working time</i>	~ 20 minutes	
▪ <i>Bulk density of the fresh mortar</i>	~ 2000 kg/m ³	EN 1015-6



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ENVIRONMENT, HEALTH, AND SAFETY(REACH)

COMPLIANCE

▪ <i>Bulk density of the hardened mortar</i>	~ 1600 kg/m ³	EN 1015-10
▪ <i>Compressive strength</i>	≥ 15 MPa	EN 12190
▪ <i>Chloride ion content</i>	≤ 0,05%	EN 1015-17
▪ <i>Adhesive bond</i>	≥ 0,8 MPa	EN 1542
▪ <i>Thermal compatibility - Part 1, Freeze-thaw</i>	≥ 0,8 MPa	EN 13687-1
▪ <i>Capillary Absorption</i>	≤ 0,5 kg·m ⁻² ·h ^{-0.5}	EN 13057
▪ <i>Reaction to fire</i>	Euroclass A1	EN 13501-1
▪ <i>Dangerous substances</i>	Comply with 5.4	EN 1504-3

For further information and advice on the handling, storage and safe disposal of the material, the user must consult the latest version of the Safety Data Sheet (SDS) available on the Internet, at www.vimark.com, which contains information on the physical characteristics, ecological and toxicological products, together with other safety information. Product complies with the provisions of the Regulation (EC) no. 1907/2006 (REACH) and Annex XVII, item 47 and subsequent amendments and additions.

PRODUCT FOR PROFESSIONAL USE.

	EN 1504-3:2006 Concrete repair product for non-structural repair CC mortar (based on hydraulic cement) Principles 3 [CR], 7 [RP] - Methods 3.1, 7.1, 7.2
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LEGAL NOTES

The data and prescriptions shown in this sheet, based on the best practical and laboratory experience, refer to laboratory tests and are to be considered in any case as indicative. The information and, in particular, the instructions concerning the application and final use of Vimark products are provided in good faith based on the current knowledge and experience of Vimark on the products provided they are properly stored, handled and used under normal conditions and observing Vimark's recommendations. Considering the different conditions of use and external factors that are independent of Vimark (support, environmental conditions, laying technique directions, etc.), those wishing to use them must therefore decide whether or not the product is suitable for use. Our warranty guarantee is therefore limited to the quality and consistency of the same with regard to the finished product, and exclusively for the above reported data. The company Vimark reserves itself the right to make technical changes without prior notice. Users must always refer to the latest version of the local data sheet relating to the product in question, copies of which will be provided upon request. This technical sheet cancels and replaces all previous editions. Any updates are published on the website www.vimark.com.



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