



STIGOMAL

Additive for preparing waterproof mortar

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|--------------------------------|--|--|---------------------|--|------------------------|-------|---------------------|--------|-------|--------|-------------------|------|
| Areas of application | STIGOMAL is used as an additive for repair mortars for waterproofing of walls and floors in basements, swimming pools, tanks, tunnels, manholes, etc. | | | | | | | | | | | |
| Product description | White powder mixture of quartz sand with additives that reduce water absorption and increase the adhesion of mortar. | | | | | | | | | | | |
| Properties | STIGOMAL additive for mortar provides good adhesion to construction substrates (concrete, brick, natural stone) and high waterproofing. It has a positive effect on the workability of fresh mortar. On surfaces on which STIGOMAL mortar has been applied, after hardening (3 – 7 days), ceramic tiles and other floor coverings can be glued, be applying classic plasters or finish with cement glaze. | | | | | | | | | | | |
| Substrate preparation | The substrate must be firm, clean, free of grease and dust-free. Water penetrations must be sealed with one of the quick-setting mixtures, STIGOVEZ, STIGOVEZ EXTRA or STIGOEX. Apply cement spray to the walls. Moisten the prepared substrate well with water. | | | | | | | | | | | |
| Preparation of STIGOMAL mortar | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">ROUGH MORTAR</td> </tr> <tr> <td style="width: 60%;">Portland cement 42,5 N</td> <td style="text-align: center;">50 kg</td> </tr> <tr> <td>Sand (dry) 0 – 4 mm</td> <td style="text-align: center;">180 kg</td> </tr> <tr> <td>water</td> <td style="text-align: center;">≈ 25 l</td> </tr> <tr> <td>STIGOMAL additive</td> <td style="text-align: center;">5 kg</td> </tr> </table> <p>Pour into the mixer about 2/3 water, add STIGOMAL, sand and finally cement. Mix 5 - 10 minutes, and then with the rest of the water regulate the density of the mortar. Let it stand for about 10 minutes and stir again. STIGOMAL additive does not significantly affect the rheological properties of the mortar (consistency, beginning - end of binding).</p> | | ROUGH MORTAR | | Portland cement 42,5 N | 50 kg | Sand (dry) 0 – 4 mm | 180 kg | water | ≈ 25 l | STIGOMAL additive | 5 kg |
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| Application of STIGOMAL mortar | Mortar prepared with STIGOMAL additive can be applied with a mason's spoon, trowel or by a machine. | | | | | | | | | | | |
| Consumption | The STIGOMAL additive is added in the amount of 10 mass percentages of cement contained in the mortar. Approximately 0.4 kg/m ² by 1 cm thickness. | | | | | | | | | | | |
| Cleaning the tools | Wash the tool with water immediately after use. After bonding, hardened material can only be removed mechanically. | | | | | | | | | | | |
| Technical data | Capillary absorption HRN EN 480-5 | Tested in 7 days, after 7 days of nursing: mixture with STIGOMAL additive has 25 mass % less value capillary absorption than the control mixture Tested in 28 days, after 90 days of nursing: mixture with STIGOMAL additive has 40 mass % less value capillary absorption than the control mixture | | | | | | | | | | |
| | Compressive strength HRN EN 12390-3 | At 28 days: mixture with STIGOMAL additive 41,5 N/mm ² ; 86,5 % of the control mixture | | | | | | | | | | |
| | Air content in fresh concrete, HRN EN 12350-7 | The mixture with STIGOMAL additive has 1% more air than the control mixture. | | | | | | | | | | |
| Packaging | Plastic buckets of 5 kg and 15 kg. | | | | | | | | | | | |
| Storage | Store in a dry place. | | | | | | | | | | | |
| Durability | Durability is not limited to the product stored in the original sealed packaging, in a dry place. | | | | | | | | | | | |
| Security measures | Do not breathe dust! The product is not a dangerous preparation. For detailed information see Safety technical sheet. | | | | | | | | | | | |

We do not answer for any damages which would result from the wrong choice of material or its incorrect application. For all additional information, please contact us at MDK Građevinar d.o.o., STIG office - production facility, Samoborska 328, tel. 01/3456873, fax. 01/3488326, www.stig.hr, e-mail: stig@stig.hr
Thank you for putting your trust in us!