

# ROCK TOP 121

Thixotropic, Polymer Modified Patching and Adhesive Mortar

|   |  |   |                        |  |                           |  |   |  |                       |
|---|--|---|------------------------|--|---------------------------|--|---|--|-----------------------|
| <b>PRODUCT DESCRIPTION</b>                            | Rock Top 121 is a two component cement based polymer modified trowel applied, adhesive and filling compound for the protection and repair of concrete and metal surfaces.  |   |                        |  |                           |  |   |  |                       |
| <b>USES</b>   | <p>Rock Top 121 is a versatile material that can be employed to carry out the following functions:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Protective Coating for bridge parapets retaining walls, etc., against deicing salts.</li> <li><input type="checkbox"/> Filling Compound to level off irregularities and fill blowholes and fine honeycombs.</li> <li><input type="checkbox"/> Adhesive for floor and wall tiles.</li> <li><input type="checkbox"/> Rendering for reservoirs.</li> <li><input type="checkbox"/> Bonding Mortar between new and old concrete.</li> </ul>                    |   |                        |  |                           |  |   |  |                       |
| <b>ADVANTAGES</b>                                     | <p>Rock Top 121 is an economical and easy to use material offering the following properties:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Easy to mix and apply.</li> <li><input type="checkbox"/> Good mechanical strength.</li> <li><input type="checkbox"/> Excellent adhesion.</li> <li><input type="checkbox"/> High resistance to de-icing salts.</li> <li><input type="checkbox"/> Non Toxic when fully cured.</li> <li><input type="checkbox"/> Resistant to city sewage medium.</li> </ul>   |   |                        |  |                           |  |   |  |                       |
| <b>PRODUCT DATA</b>                                   | Comp. (A): Liquid<br>Comp. (B): Powder   |   |                        |  |                           |  |   |  |                       |
| <b>Form</b>   |  |   |                        |  |                           |  |   |  |                       |
| <b>Colour</b>   | Grey   |   |                        |  |                           |  |   |  |                       |
| <b>Packaging</b>                                      | Comp. (A+B): 25 kg units.  |   |                        |  |                           |  |   |  |                       |
| <b>Storage</b>  | Comp. (A) must be protected from frost and sunlight.<br>Comp. (B) must be protected from moisture and sunlight, off the ground.  |   |                        |  |                           |  |   |  |                       |
| <b>Shelf life</b>                                     | 12 months from date of production if stored properly in original unopened packing  |   |                        |  |                           |  |   |  |                       |
| <b>Technical Data</b>                                 | Comp. (A): 1.02 kg/l Comp. (B): 1.25 kg/l Comp. (A+B): 2.00 kg/l (mixed)   |   |                        |  |                           |  |   |  |                       |
| <b>Density</b>  |  |   |                        |  |                           |  |   |  |                       |
| <b>Mechanical Strengths</b><br>(After 28 days; 20° C) | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><input type="checkbox"/> Compressive strength</td> <td style="text-align: right;">~ 40 N/mm<sup>2</sup></td> </tr> <tr> <td><input type="checkbox"/> Flexural strength</td> <td style="text-align: right;">10 - 14 N/mm<sup>2</sup></td> </tr> <tr> <td><input type="checkbox"/> Bond strength to concrete</td> <td style="text-align: right;">~ 3 N/mm<sup>2</sup> (concrete failure).</td> </tr> <tr> <td><input type="checkbox"/> Bond strength to ceramic.</td> <td style="text-align: right;">~ 3 N/mm<sup>2</sup></td> </tr> </table> | <input type="checkbox"/> Compressive strength | ~ 40 N/mm <sup>2</sup> | <input type="checkbox"/> Flexural strength | 10 - 14 N/mm <sup>2</sup> | <input type="checkbox"/> Bond strength to concrete | ~ 3 N/mm <sup>2</sup> (concrete failure). | <input type="checkbox"/> Bond strength to ceramic. | ~ 3 N/mm <sup>2</sup> |
| <input type="checkbox"/> Compressive strength         | ~ 40 N/mm <sup>2</sup>   |   |                        |  |                           |  |   |  |                       |
| <input type="checkbox"/> Flexural strength            | 10 - 14 N/mm <sup>2</sup>  |   |                        |  |                           |  |   |  |                       |
| <input type="checkbox"/> Bond strength to concrete    | ~ 3 N/mm <sup>2</sup> (concrete failure).  |   |                        |  |                           |  |   |  |                       |
| <input type="checkbox"/> Bond strength to ceramic.    | ~ 3 N/mm <sup>2</sup>  |   |                        |  |                           |  |   |  |                       |
| <b>APPLICATION DATA</b>                               | Parts by weights comp (A: B) = 1:4 or 1: 5 (depending on required consistency)   |   |                        |  |                           |  |   |  |                       |
| <b>Mix ratio</b>                                      |  |   |                        |  |                           |  |   |  |                       |
| <b>Coverage</b>                                       | 2 kg/m <sup>2</sup> per mm thickness.  |   |                        |  |                           |  |   |  |                       |
| <b>Surface preparation</b>                            | Concrete, stone and masonry surfaces should be clean, free from oil, grease and all loosely adhering particles. Metal surfaces (iron and steel) should be free from scale, rust, oil and grease. Absorbent surfaces should be saturated thoroughly.  |   |                        |  |                           |  |   |  |                       |

|                           |  |
|---------------------------|--|
| <b>Application</b>        | Both components are pre measured for use as an adhesive. Place the full contents of Comp. (A) in a suitable mixing container.  |
| <b>Mixing</b>             | Add Comp. (B) and mix for 3 minutes until a smooth, even consistency is achieved. When using as a filling compound use only 80 or 90% of Comp. (A) depending on the required consistency.  |
| <b>Application</b>        | When used as tile adhesive or bonding agent, apply to the desired thickness, with notched trowel. For tiling, press the tiles firmly into place while the adhesive is still wet. When using as a bonding agent to be rendered later, allow to harden first. When using as a filler apply with a spatula or trowel to desired profile and finish. |
| <b>Important Notes</b>    | <ul style="list-style-type: none"> <li>□ Minimum application temperature: 8°C.</li> <li>□ Maximum thickness per layer: 5 mm.</li> </ul>  |
| <b>Cleaning</b>           | Clean all tools and equipment with clean water immediately after use. Hardened material can only be removed mechanically.  |
| <b>Curing</b>             | Use approved curing methods  |
| <b>SAFETY</b>             | In liquid state product will contaminate water.  |
| <b>INSTRUCTIONS</b>       | Do not dispose of into water or soil, but according to local regulations   |
| <b>Ecology</b>            |  |
| <b>Transport</b>          | Non-hazardous.   |
| <b>Safety Precautions</b> | Wear protective clothing (gloves, goggles) if material comes into contact with eyes or mucous membrane, rinse with warm water, seek medical attention.   |
| <b>Toxicity</b>           | Non-Toxic under relevant health and safety codes.  |



Al-Obour Buildings - Salah Salem Road - Nasr City - Cairo - Egypt.  
10th Of Ramadan City.



info@CityChem.net



@City\_Chem



City Chem



+202 240 456 35



+2010 277 810 11



+2010 672 213 44

The Information Herein is Based on Our Present Knowledge and Experiences. This Information Merely Describes the Properties of Our Products but No Guarantee In the legal Sense Shall Be Implied. We Recommend Testing Our Products As To Their Suitability For Your Envisaged Purpose Prior To Use. No Warranties Of Any Kind, Either Express or Implied Including Warranties of Merchantability or Fitness For a Particular Purpose Are Made Regarding Any Products Mentioned Herein and Data or Information That Such Products, Data or Information May Be Used Without Infringing Intellectual Property Rights of Third Parties. We Reserve The Right To Make Any Changes According To Technological Progress or Further Developments. This Copy Replaces All Previous Versions - Printed in Egypt - 2020.



**CONSTRUCTION**