

# PRODUCT CERTIFICATE

Certificate No C214/02

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Litokol s.r.l.

supplies

Litokol - water proofing system

Litokol - water proofing system is aimed to be used as a water proofing on walls and floors in bathrooms. It consists of two coatings of Primer F, two coatings of waterproofing Hidroflex, Litofiber reinforcement to be used as reinforcement of board joints, joints between different materials and joints between wall and floor and around penetrations and Litofiber cloth for floor gullies. The characteristics of the system have been tested at VTT. A summary of the characteristics is presented below:

| Characteristic  | Test Method                                | Unity                   | Requirement                              | Result   |
|---|--|-------------------------|--|--|
| Consumption   | By weighing                                | kg/m <sup>2</sup>       | To be declared                           | Primer: 2 coatings ≥ 0,25<br>Hidroflex: 2 coatings ≥ 1,3<br>Hidroflex: 2 coatings with fibre reinf.: ≥ 1,3 |
| Coating thickness (dry)   | ISO 2808                                   | mm                      | To be declared                           | Hidroflex: 2 coatings ≥ 0,5<br>With fibre reinforcement: ≥ 0,8   |
| Water tightness   | EN 1928<br>100mm H <sub>2</sub> O/<br>14 d |                         | Watertight                               | Watertight   |
| Water tightness: floor gully and waterproofing joint                            | EN 1253-2                                  |                         | To be declared the watertight gullies    | Jafo, Meriser, Aquasafe and Vieser gullies with Litofiber cloth  |
| Water vapour transmission rate (on gypsum board)                                | EN ISO 12572                               | kg/(m <sup>2</sup> sPa) | To be declared                           | Primer 2 coatings and Hidroflex 2 coatings (without reinf.) 50 · 10 <sup>-12</sup>                         |
| Crack bridging capability <sup>1</sup>  | EN 1062-7 (mod)                            | mm                      | <sup>1</sup> ≥ 0,5<br><sup>1</sup> ≥ 1,5 | ≥ 1,5  |
| Resistance to alkali <sup>2</sup><br>- Water tightness under alkaline condition | 50 mm sat.<br>Ca(OH) <sub>2</sub> / 56 d   |                         | Watertight                               | Watertight   |
| - Crack bridging capability after alkaline condition                            | EN 1062-7 (mod)                            | mm                      | ≥ 0,5<br>≥ 1,5                           | ≥ 1,5  |
| Water tightness of board joints   | SFS 3930                                   |                         | Watertight                               | Watertight   |
| Water tightness of penetrations on walls and floors                             | SFS 3930 and EN 1253-2                     |                         | Watertight                               | Watertight   |

<sup>1,2</sup> Further clarifications are given on the backside.

According to the results Litokol - water proofing system can be used as water proofing in bathrooms. Appropriate substrates are concrete, Acotec panels with rendering, brick and gypsum board. The supplier of the water proofing system recommends as adhesive for tiling Litoflex K80 tile adhesive and Litochrom 1-6 grout for tile joints and Litosil acetico for silicone joints.

This certificate is valid until 25.9.2012 on condition that the product is not essentially changed and the manufacturer and VTT have a valid quality control contract. Inquiries concerning the validity of the certificate may be addressed to VTT. Other conditions are listed on the reverse side of the certificate.

Espoo 14.11.2007



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References of the table:

- <sup>1</sup> The recommended minimum value for crack bridging capability is 1,5 mm on substrates, where there is the possibility to crack. For structures made of new concrete (8 months) the requirement is 1,5 mm. The minimum value for crack bridging capability is 0,5 mm on substrates, where there is no risk of cracking.
- <sup>2</sup> The resistance to alkali is to be declared of products used on structures made of new concrete (8 months) or under cementitious adhesives.

Where reference is made in this certificate to any regulations, publications, standards or other documents, it shall be construed as a reference to such publication in the form of which it is in force at the date of this certificate.

The manufacturer is responsible for the quality and continuous quality control of the product. In granting this certificate, VTT does not accept responsibility to any person or body for any loss or damage incurred in respect of personal injury arising as direct or indirect result of the use of this product.

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