Dual effects of surface sealing and chemical reaction increase STRENGTH!

Silicate concrete surface hardener

CERAMICURE

is an inorganic aqueous silicate. By simple application onto concrete surface, it permeates into the depth of capillary to make a solid and to harden the surface. Further, repeating reaction with calcium in concrete, it improves the surface hard and rigid. Thanks to its surface that does not permeate easily, cleaning becomes easier.

- Surface Hardening
- Cleaning Effect
- Non-Toxic/Odor
  - Improves abrasion resistance to inhibit dusting.
  - Thanks to its deeper permeability, it does not peel-off.
  - Inhibits penetration of oil and liquid
(   Hydraulic permeability 67%)
(   Marks of oil and the like remain.)
  - Safe for being aqueous.
  - Expectable cleaning effect.

**SEALING effect** <Observation of SEALING effect> CERAMICURE was applied on mortar board. After 50 minutes passed, surface was rinsed. After one month passed, the test specimen board was observed by a microscope with x 200 magnification.

Before: Mortar without CERAMICURE

After: Mortar with CERAMICURE

Many fine pores are found. Fragile Particles layer supposedly latant was observed.

**STAIN inhibition effect** <Test method> CERAMICURE was applied on cement mortar board to be kept for 7 days by cold curing and carbon paste was forced to on the surface. The surface was wiped off by wet cotton cloth to observe the state of removal and staining of carbon paste.

Before: Mortar without CERAMICURE

After: Mortar with CERAMICURE

CERAMICURE seals the surface and is observed to have permeated into micro cracks deeply.

Water absorption prevention test

<table>
<thead>
<tr>
<th>Test item</th>
<th>mortar w/o</th>
<th>W/ CERAMICURE</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permeability</td>
<td>5.98 g</td>
<td>0.14 g</td>
<td>Measured permeated water after 2 hrs.</td>
</tr>
<tr>
<td>Ratio to concrete</td>
<td>100</td>
<td>2.3</td>
<td></td>
</tr>
</tbody>
</table>

Package

18kg/can

Applicable for 70~120 m² to concrete substrate. (Varies by substrate condition.)

Safety-related注意事项

- 高圧水洗浄や高圧洗浄は行わないでください。
- 本製品はコンクリート塗装後、表面にかかる余分を拭き取る工程があります。塗装の使用量は、この余分も含むものになります。
- 安全に関する注意事項に従って、市販の塗料使用法により補充していただく。
- 製品の塗装面の表面は、湿式で洗浄してください。

予めご了承いただくとともに弊社までご確認をお願いいたします。