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**S-101 Exposed Aggregate Surface Retarder**

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**Product Description**

**FormCrete S-101 Exposed Aggregate Surface Retarder** is a creamy white liquid retarder specially formulated for use on concrete or cement surfaces to retard the setting of cement to a depth of 1-2mm on the surface thus allowing the aggregates to be exposed upon flushing with a stream of water or removed by scrubbing with a stiff brush.

**Uses:**

- Creation of exposed aggregate surfaces for decorative walkways, sidewalks etc
- Creation of slip-resistant surfaces
- Surface preparation for overlay materials
- Bond improvement for water-proofing applications
- Pre-cast concrete panels productions

**Application Method**

Allowed the concrete with the intended design mix to be placed, compacted, levelled and troweled. After the bleed water has disappeared from the surface, additional aggregates of selected sizes and colours can be sprinkled onto the surface and embedded beneath the same by troweling action. Alternatively, just trowel the surface for a second time without any additional of aggregates. Before the setting of concrete has commenced, the surface retarder shall be applied by means of a low pressure pump sprayer at a rate of approximately 1.5 to 2.5m<sup>2</sup>/kg. After spraying, cover the entire areas with a layer of plastic sheet and make sure that the plastic sheet stays in contact with the concrete surface. Secure the plastic sheet so that it will not be blown away by the wind, sprinkle some water on top of the plastic sheet to prevent rapid evaporation before leaving the site.

**Removal of Retarder**

In normal average temperature of 24 to 32 degree C, removal of the surface retarder can be carried out between 14 to 20 hours depending upon weather conditions by means of a water jet with low to medium pressure or scrubbing with a stiff brush. It is recommended to carry out trials at a small area at suitable intervals to ensure a correct removal timing.

**Coverage**

Approximately 1.5 to 2.5m<sup>2</sup> per kg for surface retardation of 1 to 2mm. Ready to use from containers and should not be diluted.

**Packing**

5kg and 25 kg.

**Shelve Life**

12 months in original, unopened containers.

**Warranty**

*All data contained herein are based on the best of our knowledge to be reliable and correct, but accuracy and completeness are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own tests and information to determine the suitability of the product for the intended use and assume all risks and liabilities resulting from the use of the product. Neither the seller nor the manufacturer shall be liable to the buyer or any third party having any injury, loss and damage directly or indirectly resulting from the use or inability to use the product.*