

## Treatment of new Concrete with **Polysil-TG500 Anti-Lime**

The presence of water flowing over concrete, particularly new concrete, will often result in the leaching of free lime and mineral salts. Problematic crystallization of these mineral deposits can occur.

### **POLYSIL -TG500 Anti-Lime**

These effects can largely be eliminated by the pre-treatment of surfaces using Polysil. **Polysil-TG500** is an aqueous formulation of silicic acid compounds which chemically react with the substrate to produce a "silicification effect".

Silica gel is formed within the capillaries reducing pore sizes, consolidating and strengthening the treated material. The hydrophobic effect of **Polysil-TG500** largely eliminates the leaching of mineral such as free lime and salts.



### **Application:**

**Polysil-TG500** is applied undiluted by low pressure spray to concrete or masonry surfaces at an approximate rate of 150g/m<sup>2</sup> to achieve a good saturation coat (ponding is to be avoided). On concrete floors the above application rate is likely to be achieved as a single coat application. If the substrate is particularly dense two 'light' coats applied "wet on wet" (15-30 minutes) may be required. On vertical surfaces one coat is usually required to achieve the application rate without "run-off". Application rates may vary according to the density/ porosity of the substrate. Delta Polysil-TG500 is supplied in 10kg tins.

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