



## **TECHNICAL NOTE**

### **PRIMING CONCRETE SURFACES WITH DEEP PENETRATING SEALER BEFORE PAINTING**

Concrete sets and hardens by the chemical action that takes place between water and cement. After the concrete has hardened, the excess water remaining inside the concrete may take weeks or even months to dry out. When the concrete surface becomes warmer than the body of the concrete, for example in direct sunlight, the water is drawn to the surface by capillary action. If the surface has been painted and is impermeable, the build up of water pressure beneath the surface will cause the paint to blister, crack and peel.

In addition alkalis present in the concrete can be leached out by the action of water and react with oil present in some types of paints causing saponification, which also causes flaking, and peeling of painted surfaces.

The application of Deep Penetrating Sealer (DPS) to the concrete surface will enable better bonding of the paint to the concrete. It will make the concrete permanently free of alkali and moisture; two of the main causes of paint failure on concrete. If the paint is applied to a concrete surface previously primed with D.P.S., its life will be extended by about 300%.

In addition if the paint surface is coated with Top Seal the life of the paint will be further extended. Application of Top Seal will also enable the paint coating to be more easily protected from the effect of Graffiti.

## **APPLICATION**

1. Make sure the concrete surface is clean and free from oil and grease.
2. If necessary clean the concrete surface with Deep Clean 250 (See separate Technical Note).
3. Pre-wet the cleaned concrete surface.
4. Apply two coats of DPS to the concrete surface. Commence spraying at the base of the wall and work upwards as the spraying proceeds.
5. The second coat of DPS should be applied about 24 hours after the first application.
6. DPS should be applied to all concrete surfaces that require painting. It is economical to use, and will greatly enhance the durability of any paint coating subsequently applied to the surface.
7. Allow 7 days before painting or covering the DPS treated concrete.