

# Optiguard Technical Data

## **DESCRIPTION**

Optiguard a high performance light stable polyurethane sealcoat.

## **APPLICATION PROCEDURE**

Ambient temperature should be between 5°C and 30°C during application and cure. Dry weather conditions and a dry substrate are essential.

### **Surface Preparation**

#### **CONCRETE**

Concrete substrates should be at least 28 days old and be clean, dry, sound and free of laitance, oil, grease and any other surface contamination which could impair adhesion. Existing floor areas may require mechanical abrasion to reveal clean concrete. Any surfaces contaminated with oil or grease should be treated with hot compressed air to drive out any deep seated contamination. Old coatings must be removed prior to application. Perimeters of the area being treated along with any grids, drains etc. should also be protected with masking tape.

### **Mixing and application**

Optiguard is a single component sealcoat which can be applied by brush or roller. It is more rapidly resistant to rain than many other systems but can be damaged if exposed to water or rain in the first few hours after application. It is therefore not advisable to attempt external coating during periods of unsettled weather. Optiguard cures when activated by moisture providing a strong resilient coating. Relative humidity above 30% at temperatures above 10°C is sufficient to initiate the reaction. Under typical UK ambient conditions of 20°C and 60% relative humidity the coating will dry in approximately 3 hours and will be ready for use in 12-24 hours. If a second coat is required it should be applied before 24 hours has elapsed. It should be noted single applications of thick films are prone to entrap bubbles of gas which will affect their appearance.

## **COVERAGE**

The coverage rate of Optiguard is dependent upon the texture and porosity of the substrate and the ambient temperature. On a sound level surface it will be in the range of 30-45m<sup>2</sup>/5L pack. A trial area should be undertaken in order to gauge the coverage accurately particularly when used to seal an aggregated surface such as Eurogrip.

## TECHNICAL PROPERTIES

Optiguard has an excellent resistance to a wide range of chemicals.

NVC%:	30
Solvent:	Xylene
Colour:	Clear
UV Stability:	Excellent
Viscosity:	(25 <sup>0</sup> C) 20-50cPs
Specific Gravity:	0.9 to 1
Flash Point:	32 <sup>0</sup> C

## STORAGE

Moisture including moist air initiates the cure of Optiguard. Whenever possible store in original unopened containers. Part opened containers should be fully purged with nitrogen before resealing.

## PACKAGING

5 litre and 25 litre tins

## HEALTH AND SAFETY

Refer to Health and Safety Data Sheets for each component of this product.

**Optus**

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