



# G3 OS-11 Car Park Decks Waterproofing for Roof Decks / Exposed Decks

HOME

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## Car Park Deck Systems

» Car Park Roof Decks

» Car Park Interior Decks

» Marking

» Refurbishment

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**R & D, Material Manufacture and Installation – all in one Hand !**

## Crack-bridging Protective Driving Surfaces

The **G3 OS-11** system will bridge existing cracks and cracks occurring after application as well as accommodating dynamic crack movements due to traffic loading and temperature changes on structures designed, constructed and performing to BS 8110.

ROADCOAT **G3 OS-11** fulfils and exceeds the maximum requirements of **BS EN 1504-2 Surface Protection Systems for Concrete**.

**BS EN 1504-2** requires a surface protection system with, among other properties static and dynamic "crack bridging ability" in order to protect exposed decks from the ingress of de-icing salts and other corrosion inducing agents. Such systems must accommodate new static cracks and dynamic crack movements induced by traffic loading and temperature change.

**Requirements Table 1.13 Notes:** The required crack bridging ability shall be selected by the designer with respect to local conditions (climate, crack widths and crack movement).

The Dynamic Crack Bridging Ability of **G3 OS-11** exceeds by **50%** the **BS 8110** maximum design crack movement.

## G3 OS-11 ENHANCED

**G3 OS-11 ENS Enhanced Non-Slip** is required for all ramps, recommended for exits/entrances and should be used on other such critical areas.

**G3 OS-11 ECB Enhanced Crack Bridging - 1.2 mm dynamic movement at - 20 ° C**  
Developed for old structures pre-BS-8110 design, where these very high levels of dynamic crack movement were identified by testing.

For each project, ROADCOAT will advise on the usage of **G3-OS 11 ENS** and/or **G3-OS 11 ECB**.

## System Properties

- Waterproofing protection
- Resists contaminants
- Absolute adhesion
- High wear resistance
- Anti-Skid / Anti-Slip
- An aesthetic upgrade
- Any colour possible
- Integrated marking
- Easy to clean
- Easy to repair if damaged

## Marking

### **G3 Hi-MARK**

Its elastic properties allow this 3-4 mm thick marking to accommodate normal movements and deformations of the substrata without loss of adhesion, cracking, or reduction of the elastomeric properties of the **G3 OS-11**.

### **G3 Hi-Lite**

This tough, wear resistant marking system was developed as a highly visible, long lasting line marking system.

## Suitability for Purpose and Performance Warranty

**We take full responsibility for and WARRANTY the full system(s) installed for 12 years.**

- suitability of the surface for the system(s)
- suitability for purpose of the system(s)

- materials used being the same as those in the system(s) tested
- surface preparation & any special surface treatment required
- workmanship

## Design Life

The system will have the same design life as the structure.

» [Warranty Package](#) » [Performance & Technical Data](#) » [Cleaning & Maintenance](#)

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