

# Crack Sealer Plus

## Description

Based on advanced fast curing resin technology, Dega floor Crack Sealer Plus is an ultra low viscosity, low surface tension, rapid curing reactive resin used to fill and seal cracks in concrete structures that range from hairline to 3mm in width.

Crack Sealer Plus has been designed to penetrate deep into weak substrates to consolidate, strengthen and also to protect sound concrete against water and chloride ingress, and dusting.

### Typical applications:

- Badly cracked concrete structures
- Weak and friable concrete
- Concrete substrates with low compressive and tensile strength
- Dust proofing of concrete
- Protection of concrete from water / chloride ion ingress



## Features and benefits

### **Fast 1 hour cure time**

*Rapid installation and return to service*

### **Ultra low viscosity formulation**

*Extremely easy to install*

### **Improves compressive strength and surface hardness**

*Can save a substrate that would otherwise need to be removed / extensively repaired*

### **Stabilisation of cracks up to 3mm in width**

*Reduced risk of future cracking*

### **Outstanding durability in all conditions**

*Able to withstand tough mechanical stresses*

### **Creates watertight finish**

*Impervious to liquids*

## Substrate preparation

All substrates must be clean, dry and free from contamination, i.e. dust, dirt, oil, laitance, curing compounds and other contaminants.

The substrate should be capable of accepting a resin finish and this is best achieved by mechanical means (shot blasting, planning or diamond grinding).

However, when looking to use Crack Sealer Plus as a dust proofing seal or as protection against water / chloride ion ingress, it is often possible to apply directly onto unprepared concrete (subject to an installation and curing test).

## Mixing and application method

Decant the required quantity of Crack Sealer Plus into a clean mixing vessel, add BPO hardener and mix with a drill and paddle for 3 minutes. Apply by squeegee or roller using a light pressure to achieve an even and consistent coverage.

Apply a second coat as required.

## Cure times

Degafloor Crack Sealer Plus cures fully within just 1 hour of installation (both chemically and physically).

The cure time remains unaffected at temperatures down to 5°C.

## Chemical Resistance

Excellent chemical resistance to water and chloride ion ingress, inorganic acids, organic acids, alkalines, salts, cleaning agents and foodstuffs.

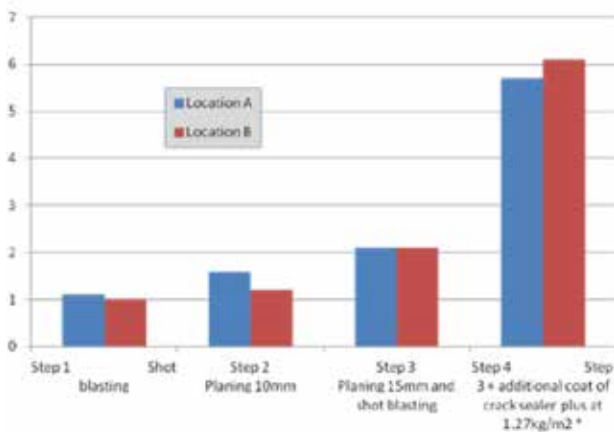
## Storage

Store below 25°C and protect against direct sunlight. At temperatures below 15°C the paraffin dissolved in the binder may precipitate. The material must be stirred thoroughly before use.

## Example data

Following the completion of differing surface preparation techniques to low strength concrete, a single coat of Degafloor crack sealer plus was applied at circa. 1 kg/m<sup>2</sup>, following which bond tests were undertaken.

N/mm<sup>2</sup>



\* = gauge switched off as maximum load reached, concrete did not fail.

As can be seen, the combination of thorough substrate preparation, together with the application of Crack Sealer Plus can significantly improve concrete strength to the point at which an unsuitable and failing substrate can be recovered making it suitable to accept a resin finish (tensile strength > 1.5N/mm<sup>2</sup>).



## Packaging

25kg or 180kg steel drums.

## Health and Safety

All resins are manufactured to ISO 9001:2008, ISO14001:2004 and BS OHSAS 18001:2007 standards and comply with all current EU hygiene of foodstuffs regulation. All our resins are non-toxic and certified to confirm physiological inoffensiveness.

## Technical advice

For further information on any Degafloor products please call our Technical Services Team +44 (0) 1778 342545

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