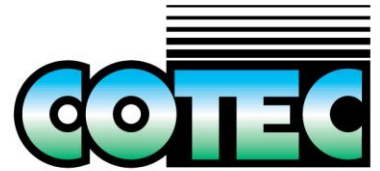




# High Performance Paint Specification



## PS-C007 MAKING CONCRETE OIL/GREASE FREE

### INTRODUCTION:

Oil or grease presents a problem for any coating as the adhesion to the substrate is effected, leading to subsequent failures such as blistering or de-lamination. On concrete or porous surfaces the contaminant can penetrate deeply into the surface. For minor contamination refer to PS-C006 Making Concrete Clean and Dry. This specification attempts to deal with more extreme situations.

### PROCEDURE:

- 1 Ensure surface is sound, by tapping for hollow areas. These areas will need to be removed and repaired by re-plastering.
- 2 Random water spot testing will show oil/grease contamination as the water will sit on the surface as droplets and not soak into the concrete,
- 3 Bad areas of contamination require an industrial cleaner or stripper (6mm penetration is the effective maximum for this method). Refer to Coating Technologies Limited's technical department for recommendations. Some of these cleaners can be very hazardous to use in large areas and it may be more effective to use mechanical means (see paragraph 4).

After the treatment, re-test the area for water spotting, to see if all the contaminant has been removed.

- 4 If it is obvious that the oil/grease is still deep seated in the concrete, the area will need to be removed by one of the following methods:
  - (a) Jackhammer or chisels,
  - (b) Scabblers or scarifiers,
  - (c) Abrasive blasting.
  - (d) Diamond GrindingNote: Acid etching does not remove oil/grease.  
Once the area of contamination has been removed then the area will need to be repaired.
- 5 Repair the area using a concrete/cement grouting system such as Cotec Epoxy patch, Epoxybog fairing cream or cement based mortar. Trowel to smooth.
- 6 Acid wash the total surface. Refer to PS-C001 Acid Etching of Concrete with Hydrochloric Acid.
- 7 Wash surface to remove residue, then allow to dry.
- 8 The surface is ready for application of the coating recommendation.

### REFER TO THE FOLLOWING SPECIFICATIONS FOR RELATED INFORMATION:

PS – C001 Acid Etching of Concrete with Hydrochloric Acid  
PS – C006 Making Concrete Clean and Dry

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