

Sethard S Method Statement

(Liquid surface hardener and dust proofer for concrete surfaces)

Section A : General Comments

Equipment

It is suggested that the following list of equipment is adopted as a minimum requirement:

Protective clothing	:	Gloves, goggles, face mask and protective overalls
Application equipment	:	Soft brush or squeegee

Section B : Application

1.0 Surface Preparation

- 1.1 **Old concrete** should be sound, dry, fully cured and free from any laitance or surface treatments.
- 1.2 Suitable Mechanical method such grit blasting or any equivalent method should be used to remove any existing weak or deteriorated concrete.

Note: If the surface is contaminated by oil or grease, it should be treated with suitable chemical de-greaser then washed with clean water (Consult our technical department for further advice).

- 1.3 **New concrete** must be allowed to cure for 14 days.

2.0 Mixing

- 2.1 Mix one part of Sethard S with 3 parts of clean water for 2 minutes with a slow speed electric drill.

3.0 Application

- 3.1 Pour the diluted Sethard S in one or two or three coats onto the prepared concrete floor surfaces and spread evenly with a soft brush or squeegee. Distribute the liquid well and avoid the formation of puddles on the floors.
- 3.2 The number of coats and application rate depend on the porosity of the concrete. High porous concrete may need two or three coats. Application rate will be as follow according to the number of coats to be applied.
 - 3.2.1 One-coat application: Apply at a uniform rate of approximately 10 m²/litre of the mixed (diluted) Sethard S.
 - 3.2.2 Two-coat application: Apply at a uniform rate of approximately 7.5 m²/litre per coat of the mixed (diluted) Sethard S.
 - 3.2.3 Three-coat application: Apply at a uniform rate of approximately 5 m²/litre per coat of the mixed (diluted) Sethard S.



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- 3.3 After application of each coat, allow diluted Sethards S to be absorbed for a period up to 2 hours, while the floor is still damp, the surface should be washed off and rinsed with clean cold water to prevent excess Sethard S mixture crystallizing on the surface. This is necessary to avoid unsightly white dusting.
- 3.4 The surface should be allowed to dry for a period of 24 hours to be ready for the next coat, if required, which should be applied at same procedures of the previous coat.
- 3.5 A third coat is necessary only in the case of very porous floors.

Notes:

- Coloured concrete surfaces must be allowed to cure for 28 days prior to the application of Sethard S.
- It is advised to test a small area to evaluate the effect of Sethard S on the coloured concrete.
- Concrete surfaces must be dry to maximize penetration.

5.0 Cleaning

- 5.1 Tools and equipment can be cleaned with water.

Section B : Approval and variations

This method statement is offered by DCP as a 'standard proposal' for the application of **Sethard S**. It remains the responsibility of the Engineer to determine the correct method for any given application. Where alternative methods are to be used, these must be submitted to DCP for approval, in writing, prior to commencement of any work. DCP will not accept responsibility or liability for variations to the above method statement under any other condition.



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