



Technical Data Sheet

SETSEAL A

Two part acrylic modified cementitious waterproofing coating

DESCRIPTION

SETSEAL A is a pre-packed, two part acrylic modified waterproofing system consisting of a liquid polymer and powder-based on selected cements & aggregates and special fillers and glass fibers, which when mixed, produces a brush-applicable mortar, which, on curing becomes an extremely tough and durable waterproofing coating.

PROPERTIES

SETSEAL A is non-toxic and has excellent bond, flexural and weathering properties and is resistant to atmospheric chemical attack. It resists cracking and shrinking. Hence it is an extremely durable waterproofing system. SETSEAL A is elastomeric, thereby accommodating surface movement.

INSTRUCTIONS FOR USE

Mixing

SETSEAL A should be preferably mixed mechanically using an electric drill with paddle

attachment. The liquid polymer is poured into a container first and powder is added slowly whilst mixing continuously, until an even homogeneous mix of brushing consistency is obtained.

Priming

The prepared substrate surface should be thoroughly dampened with clean water to minimize suction, ensuring there is no surface water present prior to application of SETSEAL A.

Application

SETSEAL A must be applied in 2 or 3 uniform coats at an application rate of 1.5 to 1.8 sq.m. per coat on the water pressure side of the structure. After a suitable cure period, 1 or 2 further uniform coats should be applied. SETSEAL A should still be 'green' at the overcoating stage.

A SUBSIDIARY OF DON CONSTRUCTION PRODUCTS LTD., U.K.



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Working Time

After it is mixed, SETSEAL A will remain workable for 35 min. at 30°C.

Mixed material should not be left standing for any length of time prior to application as this will considerably shorten its working life and may lead to flash setting.

STORAGE LIFE

SETSEAL A has a shelf life of 7 months when stored unopened in original sealed pack under shade in dry conditions.

COVERAGE

15 to 18 sq.m. per 18 kg + 10 kg pack for two coats.

PACK

18 kg + 10 kg and 9 kg + 5 kg

ADDITIONAL INFORMATION

SETSEAL A can be over coated or rendered with other decorative products from Don Construction Chemicals India Ltd.

Curing

SETSEAL range of waterproofing systems are cement-based products and in common with all such materials must be cured in accordance with good concrete practice. The use of a sprayed on curing aid such as SETCRETE 8 (see appropriate

data sheet) or wet hessian combined with polythene sheeting is recommended to prevent rapid drying, especially during the early stages of curing.

The system should be allowed to cure for a minimum of 5 days at 20°C before subjecting to full service.

PRECAUTION

SETSEAL range of waterproofing systems should not be placed when the substrate or ambient temperature is 5°C or less. They should be protected from frost. Maximum recommended water quantity should not be used. These products will not suppress rising dampness.

SURFACE PREPARATION

All leaks and water jets must be stopped using SETPLUG plugging compound.

Substrate must be sound, clean and free from loose particles or laitance or contamination should be wire brushed.

Where cracks are present, they must be treated first depending on the type of crack.

SETSEAL range of waterproofing systems may be applied to fresh concrete as soon as the shuttering is struck. Ensure that all mould release oil has been removed first.

The information given in this data sheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials, as we have no control over methods of application, site conditions, etc.

In view of the continuing research and development being undertaken in our laboratories, we advise customers in their own interest to ensure that this data sheet has not been superseded by a more up-to-date publication. All products are sold subject to our standard conditions of sale, which are available on request.

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