

REPCOAT S

Solvent based high performance aliphatic acrylate protective coating



TECHNICAL DATA SHEET PUBLISHED JUL 2021

PRODUCT FEATURES

Repcoat S is ready for use, single component, aliphatic acrylate coating for external and internal use over variety of concrete and masonry substrates. The system also includes an under coat of a silane-siloxane base which when used with Repcoat S will provide maximum protection against chloride ingress and carbon dioxide diffusion.

Repcoat S Primer is a penetrating hydrophobic silane-siloxane base which when applied will react with concrete and masonry producing a clear hydrophobic barrier that prevent the passage of water and hence protect exposed reinforced concrete structures from attack by chloride ions.

Repcoat S is an excellent protective and decorative fair face coating which can be used for many applications including:

- Retaining walls.
- Bridge abutments.
- External concrete of storage tanks.
- Multistory buildings and villas.
- Pre-cast elements and concrete cladding.
- Commercial and Industrial complexes.

MATERIALS SUPPLIED

25 ltr drums for Repocat S.

18 ltr and 200 ltr drums for Repocat S Primer.

STORAGE

Protect from frost and store under dry warehouse conditions at temperatures between 10°C and 25°C.

SHELF LIFE

12 months in original unopened, undamaged, sealed containers and stored under good condition.

COVERAGE

0.20 ltr/m²/coat for Repcoat S Primer.

0.16 ltr/m²/coat for Repcoat S.

TECHNICAL INFORMATION

Color	White, grey, buff, brown & many other colors
Volume solids	40 - 45%
Over coating time for Repcoat S Primer	5 hr @ 25°C

BS EN 1504-2	
Water vapor permeability SD	Class I: SD < 5 m
CO ₂ permeability	> 50 m
Adhesion strength by pull-off test (N/ mm ²)	≥ 1.5
water permeability	< 0.1 kg/ m ² .h ^{0.5}
Thermal cycling without de-icing salt impact (N/ mm ²)	≥ 1.5
Resistance to thermal shock (N/ mm ²)	≥ 1.5 @ 70°C
Freeze-thaw cycle test with defrosting salts impact (N/ mm ²)	≥ 1.5

The result achieved are for the Repcoat S system applied at the minimum recommended application rate.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Surface preparation is very important to get a good quality finish and best performance. Any surface to be coated must be clean, sound and free from oil, grease, curing compound, or any contamination. Any contaminants should be removed by light grit blasting.

Surfaces containing slight surface imperfection or blow-holes should be filled with a skim coat of cementitious repair mortar such as Cemfair PF. Deep holes and defected areas should be repaired with cementitious products from DCP-Repair range.

APPLICATION

The prime coat should spray or brush applied at the rate of 0.2 litres per square meter. It is recommended to apply two coats of Repcoat S at the stated rate of application.

The first coat should be applied evenly by roller, brush or airless spray machine at a rate of 0.16 litres per square meter and allowed to dry.

The second coat should be applied perpendicular to the first coat at the rate of 0.16 litres per square meter. Repcoat S needs to be thinned up to 5% by weight when using airless spray machine.

CLEANING

Tools and equipment can be cleaned with DPC-Solvent when wet. Dried Repcoat S should be removed using DCP-Solvent or mechanically.

HEALTH & SAFETY

As with all paints, care should be taken during use and storage to avoid contact with skin, eyes and mouth. Wear suitable protective clothing, gloves and eye/face protection.

Should accidental skin contact occur, remove immediately with plenty of clean water. If swallowed, seek medical attention immediately - do not induce vomiting. Please refer to the relevant Health and Safety Data Sheet for detailed information.

Repcoat S and Repcoat S primer, and DCP primer are flammable.

Ensure adequate ventilation. Do not use near a naked flame and do not smoke during use.

GENERAL GUIDANCE

This data sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Services Department.

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Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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