Repcoat S

Solvent based high performance aliphatic acrylate protective coating

Description

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.

Applications

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.

Advantages

- Dual protective system, will form an Excellent Protective barrier against chloride ions, carbon dioxide and water borne.
- Durable - highly resistant to UV and weathering.
- Moisture vapor permeable, allows concrete to breath.
- Available in a wide range of decorative colors.
- Single component.
- Color stable, with excellent hiding power.

Method of Use

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.

Technical Properties:

Color:	White, grey, buff, brown & many other colors
Volume solids:	40 – 45%
Over coating time for Repcoat S Primer:	5 hrs. @ 25°C
Carbon dioxide diffusion resistance: Taywood method	> 250 m equivalent thickness of air
Carbon dioxide diffusion resistance: Taywood method	> 500 mm equivalent thickness of concrete
Touch dry time:	25 mins.
Application temperature:	5 - 50°C
Water vapour diffusion resistance:	S_D 1.90 m @ 150 microns dft
Freeze/ thaw salt scaling (50 cycles) Good quality concrete (control) ASTM C672	Unaffected Severe scaling
Fire testing – Spread of flame: BS476, Part 7	Class 1
Fire testing – Propagation: Index I Sub index I_1 Building Regulations rating BS647, Part 6	 1.5 1.3 Class 0

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

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.

Repcoat S

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.

Packaging

Repcoat S is available in 18 litres drums.
Repcoat S primer is available in 18 and 200 litres drums.

Coverage

Repcoat S Primer: 0.2 litres/ m²/ coat.
Repcoat S: 0.16 litres/ m²/ coat.

Storage

Repcoat S and Repcoat S primer should be stored under cover at an ambient temperature range of 10 - 25°C.

Shelf Life

Repcoat S has a shelf life of 12 months if stored in proper conditions and sealed drums.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

Cautions

Health and 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.

For further information refer to the Material Safety Data sheet.

Fire

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.

More from Don Construction Products

A wide range of construction chemicals products are manufactured by DCP which include:

- Concrete admixtures.
- Grouts and chemical fixings.
- Concrete repairs.
- Industrial floorings.
- Structural protection.
- Waterproofing.

Note:
We endeavor to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, due to the fact that we have no direct or continuous control over where or how the products are applied, DCP cannot accept any liability either directly or indirectly arising from the use of DCP products, whether or not in accordance with any advice, specification, recommendation or information given by us.