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Duraguard2k white

White Colour Elastemric cementitious waterproof coating

Technical Data Sheet

High performance elastomeric cementitious waterproof coating

Uses

Duraguard 2k White is an high performance elastomeric cementitious coating used for waterproofing and to protect atmospherically exposed reinforced concrete structures from attack by acid gases, chloride ions, oxygen & water.

Duraguard 2k White is suitable for all types of structures including those in coastal environments.

The product can be used on concrete, brick and blockwork substrates and is equally suitable for new and existing structures. The product is designed to reface and even out variations in concrete and masonry surfaces and bridge shrinkage cracks. It provides a seamless, flexible waterproof coating suitable for water tanks, reservoirs, drainage culverts basements and roofs. The product provides a tough durable water resistant coating which can withstand light pedestrian traffic and also has excellent weather resistance for exterior applications.

Advantages

- Excellent barrier to carbon dioxide, chloride and sulphate ions.
- Allows water vapour to escape from the structure.
- Waterproof-suitable for water retaining structures.
- High resistance to the effect of long-term weathering, durable in all climate conditions including UV attack.
- Non toxic - ideal for potable water tanks.
- Flexible, with thermal expansion similar to concrete.
- Excellent bond to concrete and masonry.
- Good crack accommodation capacity.
- Minimum surface preparation needed and low labour costs.

Properties

Pot life	:	30 min @ 27°C
Mixed density	:	1.68g/cc (brushable consistency)
Colour	:	White
Application temp.	:	Not less than 10 °C
Adhesion to concrete	:	>1N/mm ²
Toxicity	:	Non-toxic
Static crack accommodation	:	1mm

Application Instructions

Surface Preparation

All surfaces which are to receive the coating must be free from oil, laitance, grease, wax, dirt or any other form of foreign matter which might affect adhesion. Typically concrete surfaces can be cleaned using high pressure water jet or grit blasting or by proper wire brushing. Spalled surfaces or those containing large blow holes, cracks and other such defects should be repaired using Renderoc concrete repair mortars. For further advice on suitable repair mortars, contact the Condura Office.

Mixing

Durabond BA concentrate should be poured into a plastic container or metal drum. Clean fresh water is added in the proportions shown below and mixing commenced with a propeller agitator attached to a slow speed drill (500rpm). The powder component should be added gradually to the liquid to avoid lump formation and mixed for 2-4 minutes. **Duraguard 2k White** should be immediately used after mixing. Do not mix more material than can be used within the pot life. Keep stirring **Duraguard 2k White** during the application



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Description

Duraguard 2k White is a two component acrylic polymer modified cementitious coating which consists of **Duraguard 2k White** powder and Durabond BA acrylic emulsion. It requires only the addition of clean water at site to produce an easily brushable coating.

Duraguard 2k White can simply be applied by stiff brush, roller or trowel to obtain the desired thickness.

Technical Support

Condura offers technical support service to specifiers, end-users and contractors, as well as on-site technical assistance in locations all over the country.

The application of **Duraguard 2k White** should not be done if the temperature of the substrate is below 10 °C. When applying Duraguard 2k White on hot substrates i.e., over °C surface temperature, saturate the surface with water. Apply Duraguard 2k white in 2 coats to achieve 1mm thickness. The second coat of Duraguard 2k White shall be applied as soon as the first coat has reached touch dry state. It is recommended that for general surfacing **Duraguard 2k White** should be applied at a minimum thickness of 1mm. Areas subjected to moderate and heavy loads/hydrostatic pressure, minimum 2mm thickness coating is recommended with screed above.

Allow the Duraguard 2k White coating to dry before covering with screed. Sprinkle coarse sand on wet surface of final coating for better adhesion of screed.

Average drying time is 4 to 6 hours at normal temperatures.

Cleaning

Duraguard 2k White should be removed from tools and equipment with clean water immediately after use. Hardened material can only be removed mechanically.

Packing

Powder component : 15kg & 5kg packs
Liquid polymer component : 3 & 1 L containers

Coverage

This depends on the required consistency. The approximate coverage per pack at even consistency (1mm thickness) is as follows

Mixing ratio

Duraguard 2k White Components	Brush Application	
	Indl Pack	Small
Powder	15kg	3kg
Durabond BA	5 L	1L
Water	3L	1L

Application

For best results, surfaces should be damp. In order to obtain the protective properties of **Duraguard 2k White** it is important that the correct rates of application are observed. Use a short stiff brush preferably 120-150mm width and apply the mixed material like paint.

Consistency	Brush application
Coverage (15kg + 5 L pack)	15 - 18m ²
Coverage (3 + 1 L pack)	3 - 4.5m ²

Storage

Shelf life

12 months in unopened packs if kept in a dry store.

Precautions

Health and Safety instruction

eyes should be washed off with clean water. In the event of Duraguard 2k White is non-toxic but alkaline in nature. Gloves and goggles should be worn. Any splashes to the skin or

prolonged irritation, seek medical advice. Use a dust mask while handling the powder.