

DESMOCRETE DEXTR

High Performance Acrylic Polymer for Cement Modification

Introduction

DESMOCRETE DEXTR is a styrene-acrylic polymer emulsion based modifier for ordinary portland cement (OPC) which strengthen hydrated cement phase by forming polymeric spatial network in its voids.

DESMOCRETE DEXTR helps to overcome common limitations of OPC like poor bonding between new and old concrete, cracking, dusting etc. Addition of DESMOCRETE DEXTR significantly enhanced bonding characteristics, increases flexural strength and decreases water permeability of concrete.

Application Methodology

Bonding between old and new concrete: Prepare bonding slurry by mixing DESMOCRETE DEXTR – 1 pbw, OPC – 1 pbw using hand held electric stirrer leading to homogeneous lump free consistency. Apply bonding slurry on clean old concrete surface using brush and place new concrete when the slurry is still tacky. DO NOT allow bonding slurry to set completely before placing new concrete.

Dash coat for cement plaster: DESMOCRETE DEXTR – 1 pbw, OPC – 10 pbw, Plaster Sand – 10 pbw and water to achieve required consistency. Prewet wall surface and apply dash coat admixed with DESMOCRETE DEXTR.

Use of DESMOCRETE DEXTR will significantly improve plaster bonding characteristics, specially when being applied on RCC members.

Texture coat for external cement plaster:

DESMOCRETE DEXTR – 1 pbw, OPC – 10 pbw, Aggregate 2 to 5 mm – 10 pbw and water to achieve required consistency. It will reduce cracking in the external plaster.

Concrete surface repair for waterproofing:

DESMOCRETE DEXTR – 1 pbw, OPC – 5 pbw, Quartz Sand 0.5 to 1 mm – 5 pbw and water to achieve required consistency. Apply DESMOCRETE DEXTR and water mix (1:1 ratio) on prepared concrete surface using brush prior to placing surface repair mortar. DO NOT apply more than 10 mm thickness at once.

Repairing concrete surface using DESMOCRETE DEXTR modified mortar will provide smooth and sound substrate for subsequent liquid applied waterproofing membrane.

RCC repair mortar: DESMOCRETE DEXTR – 1 pbw, OPC – 10 pbw, Quartz Sand 0.5 to 5 mm) – 30 pbw and water to achieve required consistency. The proportion can be modified depending upon site condition and RCC consultant's recommendations.

Admixture for plaster and screed: Use 500 grams of DESMOCRETE DEXTR per 50 Kg bag of OPC for protection screed or jacket plaster applied over waterproofing membrane.

Admixture for tile and stone adhesive: Add 5-8% by weight of the cement content during tile adhesive preparation.

Physical Properties

Appearance	Milky White Liquid
Solid Content	46-47 %

Packaging: 10 Kg and 20 Kg HDPE container

Health and Safety

Wear safety goggles and hand gloves while handling. DESMOCRETE DEXTR is a non-toxic and non-flammable product.

Storage

Store in the original container with lid closed under normal warehouse condition. Best before 6 months from the date of manufacturing.

PRODUCT DISCLAIMER: The information given in this document, in particular recommendations related to application are given in good faith based on our best knowledge and experience. However, it is not binding and if required, has to be adjusted depending upon the site conditions. Moreover, no specific guarantee can be given since the application of the product (prevailing site and environmental condition while applying etc.) is beyond our control. We therefore welcome consultation in the event of doubt about application performance.

