

DESMOCRETE™ SRM

High Strength Free Flow Cementitious Grout

Introduction

DESMOCRETE SRM is a blend of Portland cement, high strength graded aggregates and polymeric additives, which upon addition of controlled amount of clean water leads to free flowing, non-shrink grout or high strength repair mortar. The low water demand ensures high strength and selected graded aggregates produces uniform consistency.

Application Area

- General purpose high strength repair mortar
- Grouting of base plates of equipment or vertical elements like chimney, lamp-post, turbine etc.
- Fixing anchor bolts
- Repair of concrete honeycomb, cold joints, cracks etc
- Improving water tightness of cold joints
- Concrete jacketing of column for strengthening

Technical Data

Dry Bulk Density		1600 Kg/ Cu.m.
Consumption		2000 Kg/ Cu.m.
Water Requirement (per 30 Kg Bag)		4-5 ltr
Initial Set Time		20 minutes
Compressive Strength	1 Day	20 N/mm ²
	7 Days	40 N/ mm ²
	28 Days	60 N/ mm ²

Application Instructions

Surface Preparation

The surface of application must be clean, smooth and sound. Concrete surface should be free from dust, laitance, oil, debris, loose concrete etc. presence of which results in poor bonding between old and new concrete. Surface dust must be removed using vacuum/ air blower, specially bolt holes and fixing pockets.

Material preparation

Make estimation of the material required for a given prepared surface area. Do not mix material which cannot be used within 30 minutes. Do not re temper the mix with water.

For mixing quantities up to 30 Kg, use a low RPM hand held electric mixer equipped with paddle type mixing blades. For larger quantities, concrete mixer of suitable size is recommended.

Add gauging water in the mixing vessel and slowly add the content of Desmocrete SRM while continuously stirring the mix. Mix for 1-2 minutes till homogeneous mass of uniform consistency is achieved.

Placing

The concrete surface while application should be damp but not wet. Avoid water puddling. Pre-wetting of concrete surface helps with smooth spreading and bonding of the mix and reduces segregation.

Desmocrete SRM can be placed for 50 in single pour. For higher thickness, add silt free graded aggregates. Typically, 10 mm aggregate can be added from 50 to 100% by weight of Desmocrete SRM depending upon pour thickness.

For grouting, make sure sufficient grout material is mixed or necessary arrangements are made to ensure uninterrupted grouting. And grouting should be done one side to avoid air entrapment.
Make sure exposed surface of Desmocrete SRM is cured with water sprinkling or wet hessian cloth for 7 days at least to achieve full strength.

Packaging

DESMOCRETE SRM – 30 Kg Sacks

Storage

Keep in cool, dry and under shed. DESMOCRETE SRM performs well for at least 6 months from the date of manufacture if stored following aforesaid method.

Health and Safety

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

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.

