

DESMOCRETE™ EPSL

High Strength Epoxy System for Repair and Bonding

Introduction

DESMOCRETE EPSL is a non-shrink, high strength solvent free self leveling epoxy product. It has excellent bonding properties and toughness. Desmocrete EPSL can be applied on concrete, stone, steel, aluminium, wood, PVC, polyester surface as epoxy bonding agent, grout and repair mortar in conjunction with graded silica aggregates.

Application Area

- General purpose bonding agent
- General purpose high strength repair mortar
- Grouting of base plates of equipment or vertical elements like chimney, lamp-post, turbine etc.
- Fixing anchor bolts or steel bars in concrete
- Grouting of concrete penetrative pipes

Technical Data

Mixing ratio (A:B) by weight	4:1
Specific gravity of the mix	1.2 Kg/ Ltr
Pot life at 30°C	20 min
Touch dry time	3-4 hours
Full cure time	7 Days
Bond strength	>3 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.

Moisture content in the concrete must be below 6%.

Material preparation

Make estimation of the material required for given prepared surface area. Do not mix material which cannot be used within 30 minutes. Do not dilute the mix with thinner or any other diluent.

Use a low RPM hand held electric mixer equipped with paddle type mixing blades for material mixing.

Add content of Desmocrete EPSL Part B in Part A container while continuously stirring the mix. Mix for 1-2 minutes till homogeneous mass of uniform consistency is achieved.

If part mixing is required, homogenize the content of Desmocrete EPSL Part A using electric stirrer and then use it for weighing as per recommended mixing ratio given above.

Desmocrete EPSL is a flowable composition. To prepare repair mortar, add dry graded silica sand. Contact Mistry Construction Chemistry technical team for more information.

Packaging

DESMOCRETE EPSL Part A – 4 Kg bucket and Part B – 1 Kg Can

Storage

Keep in cool, dry and under shed. DESMOCRETE EPSL performs well for at least 12 months from the date of manufacture if stored following aforesaid method.

Health and Safety

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

It may cause allergic skin reactions, thus precautions must be taken.

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.

