

DESCRIPTION

DF-R 386 & DF-H 486 is a reliable choice for both large-scale DIY applications and industrial use, as it is free from any strong or unpleasant odor. It is ideal for making artificial jewelry, handicrafts, decorative artifacts, and various engineering components.

FEATURES / ADVANTAGES

- Strong and long-lasting bond
- Clear finish suitable for decorative work
- Resistant to water and chemicals
- Can withstand heat and dynamic conditions
- Works on multiple surfaces (wood, stone, textile, jewelry)

TYPICAL APPLICATION

- Wood handicrafts : Bonding wooden parts, decorative joints, and furniture pieces.
- Stone handicrafts : Joining and repairing marble, granite, and decorative stones.
- Textile applications : Fixing zari, embellishments, or decorative elements on fabrics.
- Art and craft work : Assembling, coating, and fixing art materials and handmade products.
- Other Application : Jewelry and engineering items.

TECHNICAL PROPERTIES

DF-R 386		
Description	Visual	Clear, Viscous liquid
Colour	ASTM D1209	Max APHA

DF-H 486		
Description	Visual	Clear, Viscous liquid
Colour	ASTM D1209	Max APHA

PHYSICAL SPECIFICATION

Mixing ratio (Resin : Hardener)	-	100 : 100 (By w/w)
Mix viscosity (at 25°C)	ASTM D 2196-05	35,000 – 40,000 (m Pas)
Peak exothermic temperature	-	Max 45 - 50 °C

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SUITABLE SUBSTRATES

Concrete	Gypsum Wallboard
Brick Masonry	Ceramic Tile And Stones
Concrete Masonry	Non-Water Soluble Cut-Back Adhesive
Cement Mortar Beds	Vinyl or other resilient tile
Gypsum Wallboard	Plastic Laminate
Ceramic Tile And Stones	Cement Backer Board
Non-Water Soluble Cut-Back Adhesive	Steel
Vinyl or other resilient tile	Cement Plaster
Concrete	Cement Terrazzo
Cement Mortar Beds	Exterior Glue Plywood

APPLICATION PROCESS

STEP 1 : SURFACE PREPARATION

Make sure tiles are firmly set, and adhesive or mortar is completely dry for 24 hours. Remove all spacers, pegs, ropes and string; clean joints by removing free loose dirt particles. To ensure desired results, a mockup installation is required before the actual installation.

STEP 2 : PREPARING MIX

Always mix complete units. Parts A (Base) and B (Hardener) are packaged to the exact quantity ratio for proper mixing. Partial mixing will result improper/no curing of grout. In a clean container, mix Part A and Part B along with suitable aggregates. Use a slow-speed stirrer for mixing to get a homogenous, consistent mix. A small quantity can be mixed manually at the site.

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STEP 3 : APPLICATION

Press the grout firmly by using a hard rubber squeeze, into joints ensuring that the joints are completely filled. Remove the excess grout material from joints and surface by moving the squeeze diagonally to the grout lines.

STEP 4 : CLEANING

Clean off the surplus grout from tile joints and surface after 20-25 minutes with D Shine. Initially use a rough textured sponge dampened with clean water. Use the damp sponge in a circular motion and keep it relative to the tile surface to achieve the flush joint. After completion of work clean the grout haze from the tile with clean water or soap solution.

IDENTIFICATION DATA

APPEARANCE	PART A: Liquid PART B: Liquid
Shelf Life	12 months in the original packaging in Dry Place
Mixing ratio	As specified
Mix Consistency	Creamy (with aggregates)
Pot Life (Liquid Part)	90 - 110 minutes @ 25° C
Permitted Application Temperatures	From +20° C to +35° C
Recommended Application Temperatures	From +20° C to +35° C
Walk on Time	24 hours
Ready for Use	5 Days
Joint Width	From 2 to 15 mm

PRECAUTIONS

- Wear suitable rubber gloves to avoid skin contact during application.
- Never apply the Epoxy Tile Grout on wet/ damp surface.
- Do not allow water to flow/run in to ungrouted joints while application.
- Apply masking tapes along tile joints while working on unglazed floor tiles, natural stones tiles with matt glaze or textured surfaces.

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CHEMICAL RESISTANCE

RESISTANCE TO CHEMICAL ATTACKS	
Methanol	Excellent
Ethanol	Good
Xylene	Excellent
Butyl Cellosolve	Excellent
1,1,1-Trichloroethane	Excellent
10% Lactic Acid	Excellent
10% Acetic Acid	Excellent
70% Sulfuric Acid	Excellent
98% Sulfuric Acid	Excellent
50% Sodium Hydroxide	Excellent
10% Sodium Hypochlorite	Excellent
MEK	Good

The information supplied here is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

PACKING

DF-R386 and DF-H486 is packed differently in each countries. Kindly contact nearest D-FIX Distributor for packing list.

STORAGE

DF-R386 and DF-H486 and should be stored in a cool and dry place, preferably in the sealed container and should not be exposed to direct sunlight. This product has a shelf-life of 2 years, if stored in its original container between 2°C and 40°C away from humidity and excessive heat. This may cause pronounced skin irritation, therefore rubber gloves, eye protection creams and breathing mask are recommended. Please refer to the Safety Data Sheet (SDS) for detailed instructions on storage and handling.

SAFTEY

Wear protective equipment. Avoid contact with eyes and skin. Safety Data Sheets (SDS) are available on request. SDS are furnished to customers to provide handling and disposal information.

DISCLAIMER :

All recommendations for use of our products whether given by us in writing, verbally or to be implied from the results of tests carried out by us are based on the current state of our knowledge. Although, the information contained in this sheet is accurate, no liability can be accepted in respect of such information. We warrant only that our product will meet the designated specifications and make no other warranty either express or implied, including any warranty of merchantability or fitness for a particular purpose as the conditions of application are beyond our control. Revised : 1st April 2025.

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