



#### 1.0 Description:

- EPICHOR NR is two-component solvent free epoxy used mainly as an underwater multipurpose product for concrete and steel
- Is relatively insensitive to moisture.
- Can be applied in presence of water.
- Has quick initial setting time.

#### 2.0 Uses:

After adding Filling F7A can be used for:

- fixing tiles on submerged concrete surfaces like water tanks & swimming pools.
- Patch repairing mortar to concrete.
- Protective coating to submerged surfaces like concrete and steel.

After adding Filling F7B can be used for:

- fixing tiles and Joint filling for horizontal underwater submerged tiles like in water tanks & swimming pools.

After adding Filling F7C can be used for:

- fixing tiles and Joint filling for Vertical underwater submerged tiles like in water tanks & swimming pools.

#### 3.0 Approval & Certification:

- Maybe available on request.

#### 4.0 Colours:

Resin + Hardener + F7A	: Beige
Resin + Hardener + F7B	: White
Resin + Hardener + F7C	: White

#### 5.0 Product Data:

Solid Content	: 99±1%
Density (R+H+F)	: 1.35 gm/cm <sup>3</sup>

#### 6.0 Consumption per coat:

Consumption (R+H+F)	: 1.3 Kg/m <sup>2</sup> /1mm thickness
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#### 7.0 Surface Preparation:

- Substrate should be free of oil grease, dust, or any other dirt.
- All weak or separated layers in concrete should be removed.

#### 8.0 Application Methods:

1. Clean the substrate and remove oil and grease or foreign materials by blasting using the suitable tool.
2. In case of sea water all the existing fouling shall be totally removed.
3. Add resin EPICHOR NR to hardener and mix well till you get a homogenous mortar.



*Notes:*

*Mixing shall be done outside the water in a suitable container.  
Mixing is preferably done by a Mechanical low speed mixer.*

4. Apply EPICHOR NR by using the suitable tool according to the needed application. This product shall be applied by professional underwater divers.
5. Clean tools using solvent ex: Thinner.

*Notes:*

- *Temperature of the substrate should be min 10°C and below 35°C.*

9.0 Product mixing Ratio by weight:

Resin : Hardener	: 2.1 : 1.0	by weight
Resin + Hardener : Filling (F7A, F7B or F7C)	: 1.0 : 1.0	by weight
Container	: Sealed pre weighed Steel	
Total Weight (R+H+F)	: 2.0	kg

*Notes:*

- *Mixing shall be done outside the water in a suitable container.*
- *The product components shall not be divided as total weight of each component shall be totally used.*
- *Slow Mechanical Mixing is recommended.*
- *Mixed components should be transferred to a third container and remixing should take place to reach ultimate results.*

10.0 Pot life, Drying and curing time:

Initial Curing Time	: 24	hours at 24°C
Final Curing Time	: 7	days at 24°C
Pot Life	: 30 min	at 24°C

### 11.0 Disclaimer:

- The information in this document is given to the best of our knowledge, based on laboratory testing and practical experience. We cannot guarantee anything but the above-mentioned quality of the products themselves. Minor product variations may be implemented to comply with local requirements. We reserve the right to change the given data without further notice. Users should always consult us for specific guidance on the general suitability of this product for their needs and specific application practices.
- Samples of any approved delivered materials shall be retested after delivery.
- These products are for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to our technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to our responsible representative for approval before commencing the work.

### 12.0 Handling of Epoxy Products:

- Avoid contact with eyes and skin. Emergency showers and eyewash stations should be readily accessible.
- Adhere to work practice rules established by government regulations.
- Use personal protective equipment.
- When using, do not eat, drink, or smoke.

### 13.0 Compatibility:

- Primers applied prior to specified product shall always be epoxy based products.
- For floor Repairing and fixing defects, product shall always be epoxy based products
- For Wall repairing and smoothing surface a cement based, or epoxy-based products can be used.
- Recoating can be epoxy or polyurethanes products.

### 14.0 First aid Measures:

- General advice: Seek medical advice. If breathing has stopped or is laboured, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
- Eye contact: Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.
- Skin contact: Immediately remove contaminated clothing, and any extraneous chemical, if possible, to do so without delay. Initiate and maintain gentle and continuous irrigation.
- Take off contaminated clothing and shoes immediately.
- Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
- Inhalation: Move to fresh air.

### 15.0 Storage:

- Store in steel containers, above ground, and surrounded by dikes to contain spills or leaks.
- Do not store in humid or extra hot weathering conditions.
- Keep containers tightly closed away from heat & in dry, cool, and well-ventilated place.