

PRODUCT DESCRIPTION

AREM™ is a two component, solvent free epoxy mortar with outstanding mechanical and chemical properties. Suitable for use in hot and tropical climatic conditions.

PRODUCT FEATURES

- Very high strength and resistance to impact and abrasion, after hardening
- High Resistance to the spillage of chemicals commonly used by industry, including petrol, fuel oils, alcohols, paraffin, and aliphatic hydrocarbons
- Weather resistance and non-yellowing
- Stability at constant temperatures: it can withstand temperatures changes from - 30°C to + 70°C
- Floors made using this product can be cleaned by steam jet.

PRODUCT USES

It has a wide range of applications in new buildings and maintenance works. Typical areas of application include:

- Concrete repair and new construction
- Laboratories and industrial facilities
- Chemical plants
- Parkings and aircraft hangars
- Metal finishing plants

HOW TO USE

- The surface needs to be dry, dust-free, clean and flat.
- Apply a coat of the desired base coat according to an appropriate Product Data Sheet's application procedures.
- Embed the AREM™ fiberglass mesh into the wet base coat using a steel trowel, troweling from the center of the mesh to the edges. Avoid wrinkles in the mesh.
- Ensure that no fiberglass mesh is visible.
- Note: before using AREM™ or any our products, refer to alkali-resistant system's and related component's documents.

LIMITATIONS

- The substrate must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm²
- The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.
- Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.
- Weak concrete must be removed and surface defects such as blow holes and voids must be fully exposed.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum.



Acid Resistant Epoxy Mortar - AREM™

- Steel surfaces maybe primed using a suitable anticorrosion primer.

TECHNICAL DATA

Mixing ratio	(A : B) = (2 : 1) by weight
Color	Grey and white (mixed A + B), further colours upon request
Density	~ 1.8 -Ykg/l (25 °C)
Pot life	~20 min. (20 °C)
Relative air humidity	< 80 %
Substrate temperature	+5 °C min. / +40 °C max
Tensile adhesion strength	> 1.5 N/mm ² (or concrete failure)
Consumption	~0.3 kg/m ² for a layer-thickness of 200 microns. This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level and wastage etc..
Layer thickness	Minimum two coats, each minimum 200 microns thick.
Solid content	~100 %
Waiting time to overcoating	Min. 4 h (35 °C) Min. 5 h (25 °C) Max. 2 d (25 °C)

HANDLING

Before using AREM™, refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions.

CLEANUP

Tools and equipment should be cleaned with special Thinner immediately after use. Hardened material can only be removed mechanically.

STORAGE

Store in unopened, undamaged and sealed original packaging in dry conditions at temperatures between

AREM™

Acid Resistant Epoxy Mortar

+5 °C and +30 °C. Protect from direct sunlight, heat and moisture.

FIRST AID

User must read the most recent corresponding Safety Data Sheets before using any products. For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

DISCLAIMER OF LIABILITY

Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product within one month. Any claim for breach of this warranty must be brought within one month of the date of purchase.

AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim or breach of warranty, breach of contract, negligence or any legal theory.

The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production.