



# Emcefex 30

## Multipurpose acrylic polymer based waterproofing and repair mortar admixture.

### Product properties

- To formulate polymer plasters for waterproofing and make polymer modified mortars for concrete repairs
- Acrylic copolymer based material for protection of concrete and masonry
- Can be used as admixture to increase water resistant, wear resistant Concrete
- Resistant to microorganism, fungus, algae and moss
- Resistant to alkali and water
- Non toxic, Ideal for waterproofing of potable water tanks
- Free from chlorides and other harmful ingredients
- Does not get affected by Ultraviolet rays
- Bonds tenaciously with almost every building material

### Areas of application

- Suitable for waterproofing of basement, sunken slab of toilets, terraces, roofs, swimming pools and water tank
- Suitable as admixtures for repairing concrete, masonry, surfacing and rendering in conjunction with cement
- Repair component for repairing spalled concrete, floors, cantilever, domes, sunken slabs for water closets
- Bonding additive for New to old concrete
- Admixture for cement based exterior coating
- Bonding additive for tile fixing

### Application

**Emcefex 30** is a multi-purpose acrylic polymer based admixture which is specially formulated for the construction industry. It is a most versatile material and can be used as surface sealer and dustproofer and as an additive for sand/cement mortars for waterproofing & concrete repairs. **Emcefex 30** admixed concretes or mortars exhibit higher abrasion resistance, flexibility and enhanced imperviousness to water

#### Advantages

**Emcefex 30** admixed concretes or mortars exhibit higher abrasion resistance, flexibility and enhanced imperviousness to water

#### Instructions for Use

All surfaces must be structurally sound, free from loose particles, dust, grease, oil, laitance, dirt, old mortar, white-wash, paint and any other contaminations. The surface should be prepared by removing such contaminations by wire or stiff brush and should thoroughly be cleaned before **Emcefex 30** admixed mortars are applied. Painted surfaces like gloss, textured etc, must be tested for degree of adhesion prior to applying **Emcefex 30**. Containers should be well shaken and the contents thoroughly stirred prior to use.

#### 1 Emcefex 30 for waterproofing

**Emcefex 30** is mixed with cement + sand (1:1) in the ratio of 1 pbw of **Emcefex 30** : 2 pbw of Cement + Sand mix. The mix has to be stirred thoroughly in a mixer. Mix should be free from lumps. This can be applied by brush

on prepared substrates as slurry. Subsequent coats are to be applied after 5 hrs.

2 **Emcefex 30** is the second component of **Dichtament DS Flex system** which is flexible waterproofing system based on acrylic powder.

3 **As a bonding agent for plasters, renders & screeds.**

The use of **Emcefex 30** as a bonding aid for plaster and renders ensures a good bond without hacking.

a) **On porous substrates**

These should first be primed with **Emcefex 30** primer (one part **Emcefex 30** to five parts water) and allowed to dry. A second coat of one part **Emcefex 30** diluted with two parts clean water should be used and the render etc applied whilst this coat is still tacky.

b) **On non-porous concrete surfaces**

Dilute one part **Emcefex 30** with two parts water and apply to the clean sound substrate. The render etc is applied whilst still tacky.

4. **As a surface sealer**

One part of **Emcefex 30** diluted with three parts of clean water is an excellent sealer for wide variety of surfaces. It is ideal for sealing porous surfaces before painting, coating etc.

a) **Knotting**

Knotting on woodwork may be sealed by using a Mixture of 1 part of **Emcefex 30** to 1 part of clean water.



#### b) Dust-Proofing

Dusty cementitious industrial floors can be simply sealed with **Emceflex 30**. Dilute 1 part of the **Emceflex 30** with 5 parts of water and apply two coats of this mixture to the substrates, allowing to dry 1-2 hours between coats.

If the second coat is made stronger by diluting 1 part of **Emceflex 30** with 3 parts of water, the concrete surfaces, when dry will have an increased resistance towards oil, dilute acids and dilute alkalis.

#### 5. As an additive for cement/sand renders, plasters, screeds and repair mortars

**Emceflex 30** is admixed in the gauging water. For a typical mix use three to four parts clean washed sharp sand and one part cement gauged with **Emceflex 30** diluted with equal parts of clean water. Sufficient gauging liquid should be added to give a good easily applied mix, with enhanced characteristics. Dosage of 10%-20% by wt of cement is recommended for repair mortar.

#### 6. As a primer

**Emceflex 30** should be diluted with five parts of clean water and brushed well into porous substrates and allowed to dry for one to two hours. Normal bonding with undiluted **Emceflex 30** can then be carried out.

#### 7. Emceflex 30 for tiling

Tiles such as acoustic, concrete, wood, glazed etc., can be bonded by priming the cleaned surfaces with a priming coat 1 : 5 parts of water.

Allow to dry. Mix **Emceflex 30** 1:3 with water and add this liquid to cement and fine sand mix which is used in conventional tiling works

### Technical Data

The coverage/consumption varies depending upon the nature of work, absorbency of the surface etc and figures below give a general guide for slightly absorbent surfaces.

- a) Cement + Sand : Emceflex 30  
+1 pbw Emceflex 30 For waterproofing coating
- b) 5 – 10% by wt of cement For Mortars
- c) 10 – 20% by wt of cement For Repair Mortars
- d) 8 – 10% by wt of cement For screeds
- e) 3 – 4 kgs/bag of cement For paints, stuccos
- f) 50-60 % by wt of cement For Dichtament DS-flex System

The coatings must be protected from rain, abrasion & other adverse conditions in the initial stage of 12 hrs of curing. Moist curing – 24 hrs after 6 hrs of final application

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 04 / 2007 Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

### Product Characteristics

**Emceflex 30** is supplied in 30 Kg pails.

It is to be stored in original unopened packing and protected from direct sunlight and frost

**Form** : Liquid

**Type** : Acrylic polymer based waterproofing admixture and repair additive.

**Shelf Life** : 9 months



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Available at:  
TECHNOTRADE ASSOCIATES  
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Ph: 0141-4012629,9799398083  
Online store : [www.technotrade.in](http://www.technotrade.in)

