

Cemflex



Flexible, Textured Finish for Walls and Decks

Commercial Product Data Sheet

Description

Cemflex is a milky liquid concentrate, when mixed with water and Portland Cement forms an effective waterproofing slurry with high strength and abrasion resistance. This slurry can be applied in conjunction with Sealoflex Fabric as reinforcement.

Uses

- For waterproofing almost any masonry surface such as retaining walls and foundation walls.
- As a primer under mortar type products to enhance bonding.
- As an additive to cement mortar type mixes to enhance adhesive strength and waterproofing.
- As a slip-resistant surface layer in the Sealoflex Roof Tile Underlayment Application.

Advantages

- Very good wear resistance
- Easy to use
- Non toxic
- Ideal for below grade waterproofing
- Excellent adhesion

Color

Milky White

Instructions for Use

Surface Preparation

Concrete, mortar and masonry surfaces must be clean, free from grease, dirt, oil and loosely adhering particles. Saturate absorbent surfaces thoroughly with water. Remove any free standing water.

Surface should be saturated thoroughly with clean water prior to Cemflex application. However, ensure that there is no standing water on surface at the time of application of Cemflex.

Mixing

Cemflex slurry is prepared by mixing Cemflex, water and Portland Cement. This is approximately equivalent to the following volumetric mix:

- 1 part Cemflex
- 1 part water
- 3 parts Portland Cement

Mix Cemflex and water first. Add cement slowly while mixing. It is preferable to use a slow speed mechanical mixer. Mixing

should continue until slurry is totally homogeneous and lump free. The slurry should be mixed periodically during application to prevent settlement. Either white or gray Portland Cement may be used depending on color requirements.

Standard Application

Apply the Cemflex slurry by brush to the prepared surface and immediately embed the Sealoflex Fabric into the wet slurry, smoothing out any bubbles or creases with the brush. Cover the fabric with more Cemflex slurry to fully saturate the fabric. Allow to dry. A final generous coat of Cemflex slurry is applied to complete the application. When using Cemflex as a waterproofer, adjacent rows of fabric should overlap by a minimum of 3". Ensure that overlaps of fabric are fully saturated.

Roof Tile Underlayment

Surface Layer Application

Mix Cemflex slurry in the following proportions: 1 part Cemflex, 1 part water, 3 parts Portland Cement and 2 parts single-sized aggregate marble sand. Then apply two coats of the mixed slurry at the rate of 60 sq. ft./gal. for each coat.

Coverage

60 sq. ft per one gallon total with or without fabric. This coverage will be obtained after mixing with water and cement and using Sealoflex Fabric.

Coverage as a Primer

250 sq. ft. per gallon. This coverage will be obtained after mixing with water and cement.

Curing

Protect from wind and direct sunlight. Allow Cemflex to cure 48 hours before backfilling. In dry or hot conditions periodically mist with clean water after initial set for the first 24 hours.

Special Procedures

During warm weather, the ingredients of the slurry (Cemflex, water, cement) may be very warm and may cause premature setting of the slurry. To prevent this, it is recommended to make the 1 part water component from 50% ice and 50% water to cool the slurry mix to prevent premature setting. Always store cement and Cemflex in a cool, dry place prior to mixing.

Cemflex

Cleaning

Clean all tools and equipment with clean water immediately after use. Hardened material can only be removed mechanically.

Packaging

5 gal containers



Physical and Mechanical Properties

Property (as Manufactured)	Value
Type	Liquid
Shelf Life and Storage Conditions	12 months if unopened and stored between +40°F & 90°F. <i>Do Not Allow To Freeze</i>
Pot Life	60 minutes at 77°F
Membrane Thickness	60 mils
Density	Cemflex: 8.6 lb./gal. Slurry: 15.4 lb./gal
Bond Strength	300 psi
Water Vapor Transmission Rate	19 grains/hour/sq. ft. at 77°F and 50% RH
Color	Milky White
Packaging	5 gal containers

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