

brix crete 440

ACRYLIC POLYMER MODIFIER FOR CEMENTITIOUS COMPOSITE

DESCRIPTION

White liquid acrylic Polymer admixture for waterproof coating, bonding agent, repair-mass-in-fill and non-shrink polymer cement grout system.

SPECIFICATION

Colour	:	Bluish White / milky liquid polymer.
Density	:	1.05+ .02 kg / litre.
Bond Strength slurry coating.	:	2 times more than normal cement
Water proofing	:	10 times higher than the normal cement slurry and mortar under same workability and curing.
Minimum film forming	:	5°C.

TEMPERATUREUSAGE

Water proof and damp proof coating in the form of cement slurry / cement mortar.

As a bonding agent on cold / construction joints.

Concrete repair as a patching mortar.

Protective layer for cementitious surface.

Injection into concrete / rock structures in the form of cement slurry.

As a mortar or slurry coating for better resistant to chemical attack.

ADVANTAGES

Excellent bonding properties.

Exceptionally high waterproof system.

Improved resistant to abrasion and chemical attack.

Resilient hardened film of mortar.

Resistant to static cracks.

Allow concrete to breathe.

Highly durable under exposure to UV rays.

Eco-friendly, Non-toxic, Non-flammable.

APPLICATION

Surface should be sound, clean and free from oils, grease, dirt/dusts and other surface contaminants. Mortar polymer composite can be applied by trowel and waterproof coating by brush/roller.

PRECAUTION

Prepared surface should be thoroughly dampened with water preferably over night before any application.

COVERAGE / CONSUMPTION

a) Waterproof cement slurry

Mix 1 litre of "brix CRETE" liquid with 2kg of fresh 43 or 53 grade O.P.C. (do not use lumpy or air set O.P.C.) thoroughly to make smooth brushable consistency. Such mixed material (say 3kg.) will provide the coverage between 1.5 m² and 2.0 m² depending upon surface texture/porosity on a prepared surface. The thickness varies from 0.9 to 1.1 mm.

b) Brush topping

Fresh O.P.C. = 1 kg. 60/80 mesh quartz sand = 1 kg.
Brix CRETE = 0.60 lt. Mix to a smooth consistency. Apply on a prepared surface by brush. Such 2.6 kg mixed material will provide coverage around 1.3m² to 1.7 m² in two coats depending upon surface texture porosity. Thickness varies from 0.8 to 1mm.

c) Bonding coat between two courses of concrete / mortar

O.P.C. = 1.75 kg. Zone III Sand = 1.75 kg. "brix CRETE" : 1lt.
Mix to a smooth consistency and they apply by brush. Within 5 minutes of application start placing the concrete over it and compact the mass as usual within 45 minutes. Critical Cold joints / construction joints are not only be well bonded but also will not give rise to any future water leakage. 4.5 kg of mixed material will cover around 2.20m² to 2.50m² in single coat, which is recommended. The pouring of new concrete / mortar should be completed within 45 minutes of Bond Coat application.

d) Repair Mortar

O.P.C. = 6 kg. Zone II Sand = 15 kg. Brix CRETE liquid polymer: 2 lt.
Such 23 kg mixed material will provide coverage around 1.3m² to 1.7m² in two coats depending upon surface texture porosity. Thickness varies from 0.8 to 1 mm.

e) Heavy-duty floor topping

O.P.C. = 3 kg. Zone II Sand = 5 kg. Brix CRETE: 1 lt.
Such 9 kg mixed material will cover about 0.80 to 1.0 m² surface of 4 to 5 mm thickness.

f) Exterior Plaster

O.P.C. = 50 kg. Zone II Sand = 150 kg. (Passing 2.36 mm sieve) brix CRETE = 5 lt.
Water = 10 to 12 lt.
Yield = 0.09 m³

Coverage = 4.50 to 4.80m² for 20mm plaster

g) Injection grouting

O.P.C. = 3 kg. Brix CRETE = 1 lt.

Brix Grout mix = 30 gm.

h) Adhesive-mortar for tiles, glass, brick etc.

O.P.C. = 3 kg. Zone III sand = 6 kg. Brix CRETE = 1.40 lt.

Such 10.40-kg mixed material will cover around 1.5m² to 2.00m². Thickness is about 3 mm.

i) Passivating Coat

For protection of steel reinforcement from corrosion

O.P.C. = 2 kg. Brix CRETE = 1 kg.

Mix to form uniform slurry and apply with paintbrush in two coats

Coverage = 20 sq.ft. in two coats.

PACKING

1lt, 5lt & 20 lt.

SHELF LIFE

12 months if stored in manufacturer's sealed packs in a cool and dry place away from moisture and heat.

QUALITY ASSURANCE

brix products are manufactured under strict quality control measures as per manufacturing specifications. If the behavior of the product is varying from the claims in the data sheets stop the use of the product and contact the nearest brix representative.