

CIS C129 HYBRIDCRETE

ACRYLIC POLYMER MODIFIER FOR CEMENTITIOUS COMPOSITES

PRODUCT CATEGORY: CEMENT MODIFIER AND COATING

PRODUCT DESCRIPTION

C129 HYBRID CREATE is a white liquid Acrylic Polymer admixture for waterproof coating, bonding agent, repair-mass-in-fill and non-shrink polymer cement grout system.

AREAS OF APPLICATION

- C129 HYBRID CREATE is recommended for use in the following areas of application
- Waterproof 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

FEATURES & BENEFITS

- Good bonding properties
- Good as a waterproof coating
- Static cracks can be filled with mortar made with C129 HYBRID CREATE
- A good modifier to make repair mortar/concrete
- Durable to UV exposure
- Eco-friendly

SURFACE PREPARATION

Surface should be sound, clean of oil, grease, dust and other surface contaminants.

Prepared surface should be thoroughly dampened with water preferably over night for application, as a repair plaster. For use as a bonding agent / waterproof coating, concrete or masonry surface must be in a saturated surface dry condition.

a) Waterproof cement slurry

Mix 1 Litre of "C129 HYBRID CREATE" liquid with 2 Kg of fresh 43 or 53 grade OPC (do not use lumpy or air set OPC or PPC) thoroughly to make smooth brushable consistency. Such mixed material (say 3 Kg.) 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



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b) Bonding coat between two courses of concrete/mortar

OPC = 1.75 Kg

Zone III Sand = 1.75 Kg.

C129 HYBRID CREATE = 1 ltr.

Mix to a smooth consistency and then 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 2.60m² in single coat, which is recommended. The pouring of new concrete/ mortar should be completed within 45 minutes of Bond Coat application

c) Brush topping

Fresh O.P.C. = 1 Kg.

60/80 mesh quartz sand = 1 Kg.

C129 HYBRID CREATE = 0.60 Ltr.

Mix to a smooth consistency. Apply on a prepared surface by brush. Such 2.6 kg mixed material will provide coverage around 1.3 m² to 1.7 m² in two coats depending upon surface texture porosity. Thickness varies from 0.8 to 1 mm.

d) Repair mortar

O.P.C. = 6 Kg.

Zone II sand = 15 Kg.

C129 HYBRID CREATE liquid polymer = 2 ltr.

Such 23 kg mixed material will provide coverage around 1.3 m² to 1.7 m² 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.

C129 HYBRID CREATE = 1 ltr.

Such 9 kg mixed material will cover about 0.80 to 1.0 m² surface of 4 to 5 mm thickness.

F) Injection grouting

O.P.C. = 3 Kg.

C129 HYBRID CREATE = 1 ltr CIS Grout Mix = 30gm.

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

O.P.C. = 3 Kg.

Zone III sand = 6 Kg.

C129 HYBRID CREATE = 1.40 ltr.

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

PRECAUTIONS & LIMITATIONS

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

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PACKING

5 ltr, 10 ltr, 20 & 200 ltrs. drums.

SHELF LIFE

12 Months from the date of manufactures in unopened containers stored at cool & dry place.

STORAGE

Store in Cool place under the shade.