



EUCLID CHEMICAL

EUCO FINE BH

Polymer Modified, Cementitious Vertical & Finishing Cosmetic Repair Material

DESCRIPTION

EUCO FINE BH is a premixed, cementitious, polymer modified blow hole filler & skim coat product applied for fairing of voids & surface from 0 to 5mm. It is composed of Portland cement, silica sand, hydraulic binders, and special polymer additives.

PRIMARY APPLICATIONS

- As a skim or fairing coat to cover and make good blemishes in concrete surfaces such as minor honeycombing, blowholes, defects caused by 'sand runs', minor patch repairs, shutter movement and grout loss
- Preparatory treatment to concrete to receive a thin film protective coating
- Ideal for cast in situ & precast applications
- Finishing newly cast concrete surfaces with imperfections, where a smooth finish is desired.
- To produce a uniform & smooth surface over repaired area
- Cosmetic surface repair and ideal for feather edge applications to 5mm thickness
- In case with maximum thickness of 5 mm, leave the surface rough to apply another layer of Euco Fine BH

FEATURES/BENEFITS

- Very good for Blow Hole filling and Crack Filling
- Skim Coat for Walls and Columns
- Better bond & improved concrete protection compared to traditional cosmetic repairs
- Low permeability
- Superior Bonding Strength
- Reduces ingress of water borne salts, such as chlorides and atmospheric / chemical attack
- Excellent bond to all concrete substrates
- Re-profiling concrete surfaces up to 5mm
- Subsequent paint coats can be applied with greater economy
- Smoothing of Concrete Substrates
- Precision made, consistent results
- Requires only the addition of mixing water
- Shrinkage compensating
- Highly smooth finished layer
- Polymer modified, single component requires addition of water only
- Ideal for vertical and overhead applications
- Application in low thickness

TECHNICAL INFORMATION

Material properties tested under laboratory conditions @ 25°C, 50% RH

Property	Test Method	Values at 25° C
Components	-	Single
Colour	-	Grey
Fresh Wet Density	BSEN 12350-6	Refer Spec Sheet
Application Thickness	-	0 – 5 mm
Workability	-	> 30 minutes
Compressive Strength	ASTM C109	> 16 N/mm ²

Values presented are typical and not necessarily referenced to create specifications.

PACKAGING

EUCO FINE BH is packaged in 20 kg bag.

SHELF LIFE

1 year in original, unopened package, covered well and stored in pallets, away from heat, Sun light and moisture. Care should be taken that hard & lumpy materials are not used

COVERAGE/YIELD

~13.50 m² at 1 mm thickness with addition of 6.60 ltr water for 20 Kg bag.

DIRECTIONS FOR USE

Surface Preparation: All Surfaces should be thoroughly cleaned to remove dirt, oily stains, grease, loose particles, wood pieces, molds, etc. For previously painted/old painted substrates, scrub the layers with proper emery paper so that it is free from these old paint/dust particles. Before applying EUCO FINE BH, soak the substrate with water. Allow excess water to drain.

Mixing: EUCO FINE BH must be mixed exclusively with clean water. The mixing process should take place in a clean plastic or non-corrosive metal bucket. For optimal and consistent results, it is recommended to use a low-speed electric mixer fitted with an appropriate paddle. The suggested mixing ratio is approximately 6-6.6 liters of water per 20 kg bag, which can be adjusted based on site-specific conditions. After mixing, let the mixture rest for about 5 minutes before remixing without adding any extra water. It is important to note that hardened or set paste should not be remixed or reused.

Application: Apply the repair mortar manually using a trowel or spatula to the concrete surface in a layer with a maximum thickness of 5mm. If an additional layer is required, leave the surface rough. EUCO FINE BH can also be applied over a fibre mesh when high mechanical resistance is needed. After application, it is important to prevent rapid evaporation of water from the applied repair mortar. For curing, use only clean water.

Curing: Follow ACI guidelines for curing. In the case of high temperatures, high wind, or low humidity causing rapid surface drying, use a fog curing system or a water-based curing compound if necessary. DO NOT use solvent based curing compounds.

CLEAN-UP

Clean tools and equipment with water before the material hardens.

PRECAUTIONS / LIMITATIONS

- Do not use it on metal or non-absorbing surfaces.
- Refrain from application during rain, unstable weather conditions or under direct sun light.
- The product should not be used when the temperature is below 5°C. Do not proceed with the application when rainfall is imminent unless in a sheltered or protected situation.
- Mix only the required quantity that is going to be applied to avoid the mixed material hardening in mixing vessel.
- In all cases, consult the Safety Data Sheet before use.

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