

KEYCOTE

(Mineral based bonding key coat for blocks & fair faced concrete)

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BondChem Keycote is a dry pre-mixed mineral based bonding slurry coat specifically designed to give a mechanical key for subsequent layers of Renders, Gypsum / Cement based plasters on blocks, smooth concrete & ceilings. With the use of BondChem Keycote, tedious and time consuming hacking of concrete is not required.

COMPOSITION

BondChem Keycote is a blend of Portland cement, processed & finely graded sand, chemical additives and high organic polymer content additives.

TYPICAL PROPERTIES

- Appearance : Grey granular powder.
- Grain Size : Upto 2 mm.
- Binder : Portland Cement.
- Shelf Life : 6 months, if stored properly.
- Mixing Ratio : 4.75 to 5 ltrs of water per 25 kg bag.
Water/Powder ratio = 0.19 to 0.2
- Yield / Coverage : 16 ltrs per bag / 10m² @ 2mm thickness (approx)
- Density : Wet : 1.90 kg / ltr. Dry : 1.86 kg / ltr.
- Flexural Strength : 2.5 N/mm² @ 28 days.
- Compressive Strength : 15 N/mm² @ 28 days.
- Working Time : 45 minutes approx.

APPLICABLE STANDARDS

BS 5262, 5492

ASTM C 387

DIN 1855.

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SURFACE PREPARATION

Surface should be clean and free from dirt, loose dust, coatings, sealers, curing compounds and other foreign particles. It should be dampened with clean potable water to neutralize background suction.

To avoid debonding, free water should be allowed to disperse prior to spraying BondChem Keycote.

MIXING

Pour 4.75 ltr to 5 ltr of clean potable water in a clean plastic bucket or an uncontaminated metal container. While using an electric agitator, slowly add the contents of one 25 kg bag of BondChem Keycote to the water. Mix until a uniform homogeneous mix is obtained. Leave to stand for 5 minutes then stir again before spraying. Any hard or set material should be discarded and should not be remixed or reused.

APPLICATION

After Mixing, spray BondChem Keycote onto the prepared substrate by using a tryolean box or a power spray gun. Spray an entire prepared area and allow the applied material to stiffen before applying a second coat. Ensure that the entire surface area is covered with BondChem Keycote and a rough texture is obtained.

CURING

BondChem Keycote must be cured for a minimum of 2 days by spraying potable water at least thrice a day and allowing it to harden before any plastering or rendering can be allowed .

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CODE OF PRACTICE

Plastering / Rendering should be carried out in accordance with up-to-date relevant British Standards or B.S. Codes of Practice, details of which can be obtained from British Standard Institute, British Standard House, 2 Park Street, London W.1.

PACKING

25 kg plastic bags.

SHELF LIFE AND STORAGE

Store as for Portland cement. Shelf life in sealed bags is up to 6 months.

HEALTH & SAFETY PRECAUTIONS

This product contains Portland Cement which is slightly alkaline when wet . For people with sensitive skins continuous use may cause irritation . Gloves or suitable barrier cream should be used . As a general Code of Safety Practice all chemical products should be treated with care , kept away from children and animals , especially protect eyes and skin . In an emergency seek medical advice.

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BondChem@NewYork.USA.com

Bond-Chem.com

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