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# CONBOND - A

## Concrete Floor Topping Compound

### INTRODUCTION:

Concrete floor pavements, etc deteriorates due to heavy traffic moving over it. When it is repaired with ordinary cement, the patch breaks away in a very short period of time because of its weak adhesion to substrate.

CONBOND-A is a latex based polymer admixture used for bonding a freshly laid concrete to old surfaces like concrete, masonry, wood etc even of a minimum thickness of 10 mm. It has got high impact strength, nonskid as well as abrasion resistance properties. This property is very important, where the surface is subjected to heavy wear and tear as well as impact-loading etc. like Industrial floors, Driveways.

CONBOND-A modified cement mortar is having almost double shear, tensile, compressive, flexural and impact strength than that of unmodified (ordinary cement) mortars and properties of good resistance against U/V rays as well as protection against salt water.

### WHERE USED?

- Where the top skin or laitance of concrete floor is eroded as happens in Trimix Flooring.
- Bonding new to old set concrete.
- Providing floor screed of lesser thickness on the existing surface.
- Repairing worn-out floor even to a feather edge.
- For sealing the construction joints.
- Repairing prestressed & precast concrete members.

### ADVANTAGES:

- High bonding strength with concrete, stone, brick, wood etc.
- Repairs could be made even to a thickness of 10 mm.

- Makes the mortar more cohesive with less W/C.
- Non toxic.
- Increases the mechanical strength of mortar & improves chemical resistance.
- Makes the mortar waterproof, restrain cracking, minimizes wear and tear.
- Adheres well to Glass, Asphalt, Wood, Brick and expanded polystyrene etc.
- Desired pigment could be used to get matching shade.
- Could be used on wet areas.
- Very less or no curing is required.

### DIRECTION TO USE:

#### Surface Preparation:

- Sub-floor has to be cleaned down to a hard base with a wire brush or better with a rotating wire brush in order to remove dirt, paint, etc. Unsound concrete must be removed completely.
- Expose aggregate of the concrete.
- Thicker oil and grease patches should be removed with solution of caustic soda or our **Red-E-Clean** followed by hosing the floor with liberal amounts of water.

#### LAYING CONCRETE TOPPING:

#### SPECIFICATION:

#### Bonding Primer:-

Prepare a bonding slurry coat by mixing the following:

- 1 Part Conbond-A.
- 1 Part Water.
- 2 Parts Cement.





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### Screed Mortar

Prepare workable mortar by adding dry mix in a wet mix of Conbond-A as mentioned in the following table.

WET MIX (By Volume)	DRY MIX (BY VOLUME)			
	CONBOND-A : 1 part diluted with 4 parts water	Screed of less than 10mm thickness	Screed of 10 -20 mm thickness	Heavy Duty Screed of 12 – 30 mm or of more thickness
Cement : 1 Part  Sand : 3 parts (0-2 mm)  Confiber: 125 gms per 50 Kg. bag of cement		Cement : 1 part.  Sand : 3 parts. (0-4mm)  Confiber : 125 gms per 50Kg. bag of Cement	Cement: 1 part  Sand(0-1mm): 1.25 part  Stone-chips: 1.25 part (3-6mm)  Confiber : 125 gms per 50 Kg. bag of Cement	Cement : 1 part  Sand(0-1mm) : 2 part  Stone-chips : 2.5 part (20mm)  Confiber : 125 gms per 50 Kg. bag Of Cement

### Application:

- Apply the above prepared bonding primer on the pre wetted base with a brush immediately before laying screed mortar.
- When the primer coat is still tacky, lay the screed mortar of desired thickness with a straight edge and level the same with wooden float. When it sets, trowel it smooth. The thickness of screed laid should not be more than 8mm at a time.
- For providing extra thickness the first coat should be left rough and the final layer of required thickness laid over it and finish with trowel.
- Cover the surface with wet burlap after 24 hours, for 3 days.
- Clean all the tools & equipments with water immediately after their use.

### Coverage:

As an admixture : 4 to 6 Kgs. per bag of  
cement  
As bonding slurry: 2 to 3 Kgs. per 10 sq.mtr

### Packing:

CONBOND-A : 10 Kgs. Packing.

### Precaution:

The Conbond-A screeding is not recommended on non porous surfaces.

### Shelf life / Storage:

Up to 12 months in unopened container. It must be stored in cool, dry elevated place and protected from high humidity. Store between +5 C to 40. C. Keep container closed when not in use. Protect from freezing and direct exposure to sunlight.

### Health & Safety instructions

CONBOND-A should not come in contact with skin and eyes or be swallowed. Protective gloves and goggles should be worn. Eye contamination should be washed thoroughly with clean water and medical advice may be sought. If swallowed seek medical attention immediately - Do not induce vomiting.

**Note:** Whilst the information and/or specification contained here in, are to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendation or suggestion made by us, as we do not have any direct control over its application.