



# KUT BONDING LAYER

## Cementitious Cladding System

REP - 16 - 0104

### DESCRIPTION

**KUT BONDING LAYER** is an integrated cladding system which is composed of

- ◆ **KUT BONDING LAYER - SCRATCH COAT**
- ◆ **KUT BONDING LAYER - FINE COAT**

**KUT BONDING LAYER** is supplied as a ready to use powder which is a blend of cement, graded sands, special additives & special polymers to enhance adhesion to concrete & masonry surfaces. It requires only the addition of water.

### USES

- ◆ **KUT BONDING LAYER** is used for external façade and internal wall cladding.

### ADVANTAGES

- ◆ Well integrated cladding system.
- ◆ Long lasting.
- ◆ High crack resistance.
- ◆ Very good workability. Easy to use.
- ◆ Excellent adhesion to masonry surface.

### TYPICAL PROPERTIES

Kut Bonding Layer	Thickness (mm)	Yield (ltrs./bag)
Fine Coat	5	20.5
Scratch Coat	20	19.5

Description	Test Method	Ordinary Plaster	Kut Bonding Layer
Compressive Strength	ASTM C - 109	60 kg./cm <sup>2</sup>	100 kg./cm <sup>2</sup>
Tensile Strength	ASTM C - 109	12 kg./cm <sup>2</sup>	20 kg./cm <sup>2</sup>
Flexural Strength	-----	19 kg./cm <sup>2</sup>	25 kg./cm <sup>2</sup>
Pot Life	-----	-----	1 hr. @ 25° C
Wet Density @ 20% water			
Scratch Coat	BS 1881	-----	1.850 @ 25° C
Fine Coat	BS 1881	-----	1.750 @ 25° C

### APPLICATION

#### Splash Coat

Thoroughly clean surface and remove any dust, oil, grease & paint. Fill in any gaps and holes with **KUT BONDING LAYER - SCRATCH COAT**. Spray with water. Mix **KUT BONDING LAYER - SCRATCH COAT** 30 kg. bag with 5 to 7 ltrs. of water. For more homogenous and evenly distributed splash we recommend using mechanical splashing device. Apply at least 4 to 6 mm thick layer. Spray with water twice a day (morning & evening) for 3 days.

#### Scratch Coat

Spray the splash coat surface with water. Mix 30 kg. bag of **KUT BONDING LAYER - SCRATCH COAT** with 5.4 to 6.2 ltrs. of water. Mix using a slow speed drill and paddle. Use within 1 hour of mixing. Apply at a thickness of 10 to 20 mm depending on requirement. The surface should be rendered rough for the application of next layer that is **KUT BONDING LAYER - FINE COAT**. Cure by spraying water twice a day (morning & evening) for one week. Alternatively use **KUT CURE P** (Refer data sheet for further information) as a curing compound after one day.

#### Fine Coat

Thoroughly clean the surface and remove any dust and dirt and then spray water on the surface. Mix **KUT BONDING LAYER - FINE COAT**, 30 kg. bag with 5.4 to 6.2 ltrs. of water using a slow speed drill and paddle. Apply at a minimum thickness of 2 mm and at a maximum thickness of 10 mm. Cure by spraying water twice a day (morning & evening) for one week. Alternatively use **KUT CURE P** (Refer data sheet for further information) as a curing compound after one day.

**Note :** Both Scratch Coat & Fine Coat can be applied in 1 or 2 layers as per requirement. The final layer that is Fine Coat can be finished to desired texture using standard tools.



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## PACKAGING

### KUT BONDING LAYER

- **SCRATCH COAT** - 30 kg. bag
- **FINE COAT** - 30 kg. bag

## PRECAUTIONS

- **Mixing Water** : Water temperature must not exceed 30°C.
- **Cleaning** : All equipment should be cleaned with water immediately after use.
- **Mixes** : Mixes containing **KUT BONDING LAYER - SCRATCH COAT & FINE COAT** should not be emptied into drainage system.
- **Protection** : All work should be protected from rain, frost and exposure to strong sunlight & strong winds until fully cured.
- **Storage** : Shelf life is 12 months when stored in moderate temperature and humidity

## FIRE

**KUT BONDING LAYER** is non flammable.

## APPLICABLE STANDARDS

**ASTM C - 109 & BS 1881**

## HEALTH & SAFETY

**KUT BONDING LAYER** is non toxic but is mildly alkaline. Gloves should be worn during application. splashes to the skin or eyes should be removed with clean water. In the event of prolonged irritation, seek medical advice.

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