

## **ASCOBOND AR**

Multipurpose Acrylic Bonding Agent & Cement Modifier

### **DESCRIPTION**

**ASCOBOND AR** is an acrylic latex liquid bonding agent with plaster, cement screeds and renderings to various types of surfaces. It is an acrylic modified cementitious flexible coating system. It can also be used to strengthen the various rendering mixes. When mixed with a cement/sand or aggregate combination, **ASCOBOND AR** becomes an effective patching and topping mortar.

### **FEATURES**

- Excellent bonding agent
- Minimizes cracks in concrete, stucco and plaster when used as an admixture
- Eliminates the need for separate air entraining agents
- Highly versatile and can be used easily for a variety of applications
- Greatly improves adhesion to substrate
- Cement based coatings, Waterproofing cementitious systems
- UV resistant
- Reduces shrinkage cracking
- Interior/exterior applications

### **USAGE**

**BONDING SLURRY** – BONDING FROM OLD & NEW CONCRETE, PLASTER & GYPSUM etc.

**WATERPROOFING** – TOILETS, BALCONIES, ROOFS, TERRACE, SWIMMING POOL, BASEMENT WALL & WATER TANK etc.

**STRUCTURAL REPAIRS** – CONCRETE REPAIRS, RE-PLASTER, MASONARY, STUCCO, SCREEDS, etc.

**TILE FIXING** – FIXING OF TILES, STONES, BRICKS etc.

**ANTICORROSION** – PROTECTION OF REINFORCEMENTS IN CONCRETE REPAIRS (1:1 with cement by volume)

### **APPLICATION METHOD**

#### **SURFACE PREPARATION**

All surfaces must be clean and structurally sound. Oil and grease must be removed. For best results the surface of the concrete should be mechanically scarified, although other methods including sandblasting may be employed.

#### **PRIMING**

Use a mix consisting of 1 part OPC mixed with 1 part **ASCOBOND AR** gauging liquid (1 parts **ASCOBOND AR** with 1 part water) by volume. Mix into a smooth paste. This primer is then brushed onto the prepared surface, after ensuring there is no free-standing water, using a stiff brush. It is essential that the topping is applied whilst the priming coat is still tacky. If it is allowed to dry out then the primer must be removed and surface re-primed using the same procedure.

MIXING RATIO: 1: 2 - ASCOBOND AR: OPC

APPLICATION	OPC (Kg)	ASCOBOND AR
One coat on concrete Kg/m <sup>2</sup>	0.50	0.25
Two coat on concrete Kg/m <sup>2</sup>	0.750	0.375

#### GENERAL PURPOSE MORTAR/SCREED

For the majority of applications the following mortar can be used as a render or screed after the surface has been primed as previously described.

Thickness is depend up on application but 12-15 mm is normal. On vertical surfaces this is built up in two application, normally time between applications is 6 hours but this is depend up on temperature.

Where more than one coat is applied ensure that the intermediate coats are hatched to provide a mechanical key. If the surface dries out completely then the surface should be re-primed.

#### INTERNAL & EXTERNAL WATERPROOF RENDERS

Surface preparation is as previously described. Two priming coats should be applied ideally at right angles to one another. The second coat to be applied immediately after the first coat has dried, approximately 30 minutes.

Thickness of each sealing coat should not exceed 1.5 mm or crazing may occur. Allow the two priming coats to dry out completely for a minimum of 48 hours after which time the surface is again primed and the general purpose mortar applied while the primer is still tacky. Minimum thickness 12-15 mm.

#### TECHNICAL DETAILS

pH	7-8
Specific Gravity	1.01 ± 0.02 Kg/L
Appearance, color	White Liquid in viscous form
Solids %	≥ 34 %
Bond Strength	> 2.5 N/mm <sup>2</sup>
Recoating Time @ 27° C	4-6 Hrs
Full Cure	14 days

#### PACKING

Available in 500 ml, 1, 5, 20, 50, 100 & 200 Ltr. in jerry can or bucket with sealed cap.

#### STORAGE & SELF LIFE

Store in cool and dry warehouse condition. Do not expose to direct sunlight. Shelf life in these conditions is 18 months in unopened original containers.

#### SAFETY GUIDELINE

- Use protective items while using ASCOBOND AR
- Use of gloves is recommended to protect skin and mouth while in use.

(Safety Data Sheets are available through company representative or ascolite's website)