

TECHNICAL DATASHEET

ASCOBOND

All Purpose Latex Waterproofing Additive
and Multipurpose Adhesion Enhancer



PRODUCT INTRODUCTION

ASCOBOND is a single component styrene butadiene copolymer synthetic latex polymer, which provides excellent high bonding and penetrating properties into concrete & masonry surface. It may be incorporated into cementitious renders, screeds or patching mixes in order to improve adhesion and abrasion resistance. It can be used internally or externally and in areas of continuous or intermittent water contact. ASCOBOND improves the chemical and water resistance of cementitious mixes and can also be used as waterproofing additive for cement based products to enhance adhesion, water resistance and compressive strength.

INDEX

RECOMMENDED APPLICATION	02
TECHNICAL DATA	02
PRODUCT KEY FEATURES	02
APPLICATION METHODS	03
SURFACE PREPARATION	03
PRIMING	03
COVERAGE	03
MIXING	03
APPLICATION	03
CURING	04
PACKAGING	04

RECOMMENDED APPLICATIONS

1. For high strength screeds and renders.
2. Concrete, mortar setting beds, etc.
3. Waterproof tanking (cellars, swimming pools and ponds).
4. Gypsum plaster & gypsum dry wall fibre panel.
5. General reconstruction work.
6. Repairs to precast structural members.
7. Masonry, stucco, grouting, etc.

KEY FEATURES

Provides enhanced and fortified adhesion to a wide variety of cement substrates:

1. Imparts high water/salt resistance when incorporated in a mix.
2. Compatible with large assortment of concrete, grout, adhesive, stucco and cement based plasters.
3. Increases flexural and tensile strength.
4. Improves workability, adhesion & bond strength.
5. To improve water resistance and adhesion of cement based adhesives and grouts
6. Reduces shrinkage
7. Improves resistance to abrasion and chemicals
8. Multipurpose & cost effective

TECHNICAL PROPERTIES *

Color	Milky White
Specific Gravity	1.05 ± 0.02 Kg/L
Appearance & Base	SBR based modified viscous liquid
% Solid content	≥ 38.0 %
pH	8 - 9
Bond strength	3 MPa
Flexural strength	7 MPa
Tensile Strength	≥ 2.5 N/mm ² (Concrete Failure)
Adhesion Strength	≥ 3.50 N/mm ² (Concrete Failure)
Water Resistance	Upto 2 bar pressure

* The values obtained are from laboratory testing conditions and at 27 ± 2°C. On site tests may show slight variation due to site conditions and/or methods of testing/ application. Follow company TDS to obtain best results.

APPLICATION METHODS:

1. DIRECTION OF USE

SURFACE PREPARATION

The surface must be clean and structurally sound. Oil and grease must be removed from surface. Repair all cracks with the appropriate patching material. It is recommended to make the painted or glossy surface rough in order to ensure proper bond.

2. MIXING

Primer

Ascobond	1 Litre
Water	2 Litre
Cement	2 Kg
Coverage	15m²

Bonding Slurry

Ascobond	1 Litre
Water	0.5 Litre
Cement	1 Kg
Coverage	6m²

Bonding Agent / Screed

Ascobond	1 Litre
Water	3 Litre
Cement	50 Kg
Sand	150 Kg
Coverage	25m² @ 5mm thickness

Water Proofing Agent

Ascobond	2 Litre
Water	1 Litre
Cement	50 Kg
Sand	100 Kg
Coverage	18.75m² @ 5mm thickness

2. CURING

During hot, dry days, or windy days, it is advisable to cover with moist burlap for 24 hours or as recommended. Air cures the surface for 2 to 4 days during normal use and 4 to 7 days during heavy traffic areas.

3. COVERAGE

Bonding slurry – 44 ft² to 55 ft² with mixing ratio of (1:1) with cement.

Bonding agent / screed – 25 m² @ 5mm thickness.

Water proofing slurry – 25 ft² to 35 ft² mixing ratio (1:1) with cement (for 2 coats).

Subject to mix for other applications.

4. SHELF LIFE

ASCOBOND has a shelf life of 12 months when stored at ambient temperature in airtight container. Exposure to direct heat or direct sunlight must be avoided.

5. HEALTH & SAFETY

ASCOBOND is non-toxic and non-inflammable. If any contact with the skin occurs, wash the skin with soap and water and apply skin conditioning cream. If any contamination with eye occurs, wash with clean water. In case eyes or mouth are affected, wash with clean water and seek medical treatment immediately.

6. PACKAGING

Available in 500ml, 1 Ltr, 5 Ltr, 20 Ltr, 50 Ltr & 200 Ltr.

DISCLAIMER:

While the technical details & recommendations contained in this document and the related details given by the representatives of the company correspond to the best of our knowledge & experience, all the above information must in any case be considered as merely indicative and subject to confirmation. Users are recommended to conduct a product suitability test before it is used at full scale. In any case, the consumer alone is entirely liable for any consequences resulting from using the product. For the most up-to-date TDS, please visit our website at www.ascolite.in. Our company policy is one of ongoing R&D; therefore, we reserve the right to update this information without prior notice at any time. As the correct identification of the problems, the quality of other materials used, on-site environmental conditions and the workmanship on-site are factors beyond our control, there is no express or implied guarantee/warranty as to the results achieved. The company assumes no liability or consequential damage arising from the use of our products for unsatisfactory results. Site visits are not a supervisory responsibility wherever provided. Suggestions made either verbally or in writing by the company may be followed, modified or rejected by the owner, engineer or contractor, since they are solely responsible for carrying out procedures appropriate to a specific application.