

TECHNICAL DATASHEET

ASCOCRETE II

2-Part, Acrylic Based Cementitious
Brushable Waterproof Coating



PRODUCT INTRODUCTION

ASCOCRETE II is a two part acrylic modified underlayment cementitious coating, mixed at site for easy application by roller or brush on horizontal and vertical surface. It dries to a tough flexible layer of modified cement with an excellent waterproofing properties. It is recommended for internal and external structural waterproofing of concrete and plaster substrate.

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Version : 1 (JAN : 2023)

KEY FEATURES

1. Can be applied simply and quickly in three or more layers.
2. It has a good adhesion on cement surfaces.
3. Crack-bridging ability.
4. Suitable for R.C.C. slab, bathroom sunk, small potable water tanks.
5. Bonding to wet surface without priming.
6. Protects construction from corrosive effects of humidity.

RECOMMENDED APPLICATIONS

1. It can be used for waterproofing of basements, internally or externally, against humidity or water under pressure.
2. It is used for waterproofing surfaces made of concrete, plaster, bricks, cement-blocks, mosaic, gypsum boards, wood, metal etc.
3. Ideal in case where high elasticity and good adhesion of the waterproofing layer is required
4. Suitable for waterproofing of substrate that suffer contraction and expansion or vibration. Also recommended to cure capillary cracks, found on terraces, balconies, small water tanks, inverted roofs, etc.

TECHNICAL PROPERTIES (Complies to IS 101 , 2645 , 2165 & ASTM D 2370 , 412)

Form	Part A is polymerized cementitious powder Part B acrylic co-polymer
Color	Part A: Grey Powder, Part B: Milky White
pH	9 ± 1
Mixing Ratio	3 : 1 (PART A : PART B)
Pot Life	30 ± 10 minutes
Mixing Time	3-5 minutes
Drying Time	45 minutes at 20 °C
Crack Bridging	Up to 1 mm width
Water Penetration	Up to 3 bar pressure
Elongation %	≥ 60 %
Tensile Strength (ASTM D 638)	≥ 2.50 N/mm ²
Adhesion Strength (ASTM D 4541)	≥ 1.75 N/mm ²
Recommended Thickness	1.1 mm DFT
Flexural Strength	Around 5 N/mm ²

APPLICATION METHODS:

1. Surface Preparation

- I. **ASCOCRETE II** can be applied on clean surface free of dust, loose particles, grease, etc. The success in application depends on the right preparation of the underlay and use of material.
- II. Water leaks should be plugged with **ASCOGROUT**.
- III. Any cavities in concrete surface should be filled in & loosen out using (**ASCOBOND 450 ASCOBOND AR 470:WATER:CEMENT**) in ratio of 1:1.5:3 is recommended.
- IV. The cracks or work joints needs to be widened and in an inverse "V" shape i.e. in depth of about 1-2cm **ASCOFILL & ASCOBOND AR 470** should be filled.
- V. Corners like the floor joints with vertical walls should be filled in with **ASCOBOND AR 470** or **ASCOSEAL TAPE ROLL** or a pre mixed **ASCOSCREED** (formation of a groove having a triangle cross-section with 5-6 cm sides).
- VI. In case of masonry walls, joints should be first filled in carefully, otherwise it is recommended to apply a cement mortar layer first improved with RMP.
- VII. For sealing of basements in old buildings, any existing wall plastering should be removed to a height of up to 50cm above the water level and then proceed as above.

2. Application Method

- I. **ASCOCRETE II** comprises of 15 Kg bag (Part A) added with 5Kg of liquid (Part B) under continuous stirring, until it becomes viscous mixture for brush application.
- II. The entire surface of the substrate should be dampen well, but without creating any water puddles.
- III. The material is applied by brush in two or more layers. Brushing must be in different directions i.e. if first coat is horizontal than second coat should be applied vertically.

3. Coverage

Around 90 ft² to 100 ft² per 2 coats for 20 Kg set.

4. Remarks

- I. Freshly coated surface should be protected from high temperature, rain and frost for 24 hours.
- II. To curb the negative high pressure, it is recommended to use **ASCOGLASS FR**.
- III. For the internal sealing on floorings, it is recommended to carry on final covering of the **ASCOCRETE II** with concrete, IPS or tiles.

5. Health and Safety Guidelines

- i. Use personal protective equipment (PPE) to use **ASCOCRETE II** for storage and application
- ii. If it comes in contact with eyes, immediately wash eyes with plenty of water and seek medical advice.
- iii. Use of safety goggles, nose mask and hand gloves are recommended to protect eyes, skin and mouth while in use. (Material Safety Data Sheets are available through our company's representative or from our ASCOLITE's website)

6. Packaging

Available in 4 Kg and 20 Kg Set.

7. Shelf Life

12 months from the date of production if stored in original, unopened packaging and in places protected from moisture, sun exposure and frost.

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.