

TECHNICAL DATASHEET

ASCOPOXY ARC

Two Part Heavy Duty Anti Root Epoxy Coating

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PRODUCT INTRODUCTION

ASCOPOXY ARC is a two-component heavy duty epoxy coating formulated from solvent based epoxy resins & modified polyamine curing agents especially for anti root linings in contact with water, rock, well, soil and gardening pot. It is lead-free, non-toxic when fully cured. It hardens to an abrasive resistance heavy duty coating with excellent adhesion strength on properly prepared substrates such as concrete & steel. **ASCOPOXY ARC** is water-impermeable and tree root impermeable; it has excellent resistance to water, oil, solvents, chemical fertilizers, alkalis, soil and minerals.

VERSION : 1 (FEB : 2023)

KEY FEATURES

1. 2 parts thus very easy to apply
2. Aesthetically attractive glossy coating and easy to clean ; hygienic and dust free with low odour
3. Most suitable for anti root properties in tree plantation and gardening purpose in office and residence
4. Heavy duty & high performance coating
5. Excellent corrosion and chemical resistance (solvents, fertilizers and hydro carbon chemicals)
6. Recommended for application on concrete in garden
7. Easy to apply with hard bristle brush

RECOMMENDED APPLICATIONS

1. **ASCOPOXY ARC** is designed for coating the interior surfaces of concrete, steel and wooden tanks such as those used for tree plantation and gardening and also store water, chemicals (except high concentration acids) and other liquids.
2. It is to be used as a coating for anti root property.

TECHNICAL PROPERTIES (Complies to ASTM D 695 , ASTM C 190)

Appearance	Part A - White Resin (4.0Kg) Part B - Liquid Hardener (2.0 Kg)
Pot Life	45 ± 5 minutes
Mixing Ratio	2 : 1 (Part A : Part B)
Mixed Density	1.65 Kg/l
Permeability	Impermeable
Dry Film Thickness	500 ± 50 microns per coat
Wet Film Thickness	550 ± 50 microns per coat
Compressive Strength	≥ 40.0 N/mm ²
Slant Shear Bonding Strength	≥ 2.5 N/mm ²
Recommended Coats	Two (2) coats

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. Follow company TDS to obtain best results.

APPLICATION METHOD

1. SURFACE PREPARATION

The substrate must be clean, dry, sound and free of all contamination such as dirt, oil, grease, and coatings etc. which hinder an adhesion. Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed and treated properly before the application of **ASCOPOXY ARC**. New concrete must be allowed to cure for 28 days and cement render and cement screeds must be allowed to cure for at least 7 days prior to the application of **ASCOPOXY ARC**. Optimum adhesion, corrosion protection, heat resistance and chemical resistance properties are achieved with recommended surface preparation.

2. MIXING

Part A (resin paste) and part B (thick liquid hardener) are packed in two separate containers, in predetermined mixing proportion by weight. The whole quantity of component B is added into component A under stirring. Mixing of both the components should take place for approx. 5 minutes, using a slow speed drill mixer (200 to 300 rpm). It is important to mix thoroughly near the sides and bottom of the container for achieving uniform dispersion of the hardener. Please do not over-mix or mix at high speed because it will cause trapping of air inside.

3. PRECAUTIONS

- i. Do not apply on dusty substrates.
- ii. Do not use on damp surfaces.
- iii. Do not dilute it with thinner, solvents or water.
- iv. Do not apply on surfaces subject to capillary action rising damp.

4. APPLICATION METHOD

ASCOPOXY ARC can be applied by thick brush or roller .

- i. Brush: Use a stiff nylon medium bristle brush
- ii. Roller: Use a 3/8" phenolic core roller

5. CURING

Optimum performance level is reached after 48 hours of curing.

6. CLEANING

Clean skin with soap and water. Tools and equipment should be cleaned with solvent thinners.

7. HEALTH and SAFETY GUIELINES

- i. Use personal protective equipment (PPE) to use **ASCOPOXY ARC** for storage and application
- ii. If come 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)

8. PACKAGING

ASCOPOXY ARC is available in 6 Kg & 30 Kg in pre-determined mixing proportion by weight.

Component A s 20 Kg and component B is 10 Kg

9. COVERAGE : Approx. 60 sq. ft. per 2 coats per 6 Kg set; It depends on surface porosity and even ness.

10. SHELF LIFE

- i. 11 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 and 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.