



Durability



Low voc



Easy to apply



Creating Innovative
Green-Chemistry for Sustainable Future

ACEFLOOR 401 - Epoxy Floor Primer

Product

description: **ACEFLOOR 401** - Epoxy Floor Primer is two part, solvent free, low viscosity epoxy resin system.

Uses:

- * For priming concrete substrate, cement screeds and epoxy mortars.
- * For normal to strong absorbant substrates.
- * Primer for epoxy flooring systems.
- * Screed layer under epoxy, polyurethane and PMMA floor coating.
- * Levelling or patching horizontal concrete surfaces in new or repair work.

Properties:

- * Low viscosity.
- * Better penetration.
- * Excellent bond strength.
- * Enviro friendly materials used.
- * Solvent free system.
- * Good pot life and faster curing.
- * Easy application.
- * Curing at lower temperatures.

Product data:

	Resin: Part A	Hardener: Part B
Appearance	light yellow liquid	Amber-brown liquid
Density	1.1 Kg./lt.	1 Kg./lt.
solid content	100%	100%

Application as Primer

Mixing ratio:

Part A : Part B = 2:1 by wt.

Physical properties:

Compressive strength	68 N/mm ² (14 days/+27 °C)
Flexural strength	42 N/mm ² (14 days/+27 °C)
Bond strength	Concrete failure
Absorption	<0.6%
Chemical resistance	Resist to all mild chemicals

Consumption:

4.54 to 5.56 m²/kg
0.22-0.18 Kg/m²

Note: These figures are theoretical and do not allow for any additional material required due to surface porosity, surface profile, variations in level or wastage etc.

Surface care and treatment before application:

- * Concrete substrates must be sound of quality.
- * Compressive strength of substrate : 20 N/mm² min.
- * Pull off strength of substrate: 1.5 N/mm² min.
- * The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.
- * Moisture content of Substrate : <4% or No rising moisture to Polyethylene sheet.
- * Concrete substrates must be prepared mechanically using abrasive blast cleaning.

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- * Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.
- * Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products.
- * High spots must be removed by e.g. grinding.
- * All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.
- * Substrate temperature : +8 °C min to 35 °C max.

Atmospheric condition:

Relative humidity: 70% max
Dew Point: substrate and uncured floor to be atleast 5 °C above dew point

Substrate Moisture Content : ≤ 4% moisture content.

Application instruction:

- * Stir resin Part A and Part B separately and mechanically before mixing.
- * Add hardener Part B to resin Part A.
- * Mixing ratio: 2:1 by weight.
- * Mix small quantity to avoid gelling before application (approx 5-6 kg of total mix).
- * Stir and mix continuously for 3 mins until uniformity achieved.
- * Avoid air entrainment.
- * Use low speed electric stirrer.
- * During the mixing operation, scrape down the sides and bottom of the container with a flat or straight edge trowel at least once to ensure complete mixing
- * Continuous, pore free coat should cover the substrate.
- * If necessary, apply two priming coats. Maintain interval of 2 hours .

Pot life:

200 g. mass at 25 °C : 20-25 mins.

Cleaning of tools:

Clean all tools and application equipment with suitable solvent like xylene or thinner immediately after use. Hardened and/or cured material can only be removed mechanically.

Points to remember:

- * Do not apply **ACEFLOOR 401 - Epoxy Floor Primer** on substrates with rising moisture.
- * Freshly applied **ACEFLOOR 401 - Epoxy Floor Primer** should be protected from damp, condensation and water for at least 24 hours.
- * Avoid puddles on the surface with the primer.
- * For professional use only by experienced applicators.
- * Practical trials should be carried out for mortar mixes to assess suitable aggregate .

Curing details:

at 25 °C
Foot traffic: 24 hrs.
Light traffic: 3 days
Full cure: 7 days

Important note:

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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Caution:

- * **PART A: WARNING - IRRITANT, SENSITIZER:** Contains epoxy resins Eye irritant. May cause skin/respiratory irritation. Prolonged and/or repeated contact with skin may cause allergic reaction/sensitization. Deliberate concentration of vapors for purposes of inhalation is harmful and can be fatal. Harmful if swallowed. Strictly follow all use, handling and storage instructions.
- * **PART B: WARNING: CORROSIVE, SENSITIZER, IRRITANT.** Contains amines (mixture). Contact with skin and eyes causes severe burns. Respiratory irritant. May cause eye/skin irritation. Possible sensitization/allergic reaction with prolonged or repeated exposure. Harmful if swallowed. Deliberate concentration of vapors for purposes of inhalation is harmful and can be fatal. Strictly follow all handling, use and storage instructions.

CUSTOMER SERVICE

For any query related to product availability, cost, coverage, applicators, installation instructions, problems and trouble shooting, contact customer service executive on our  customer help line +91 963 260 5577 or write email to customercare@acebond.in

For product or other information, please write us to info@acebond.in Visit us at www.acebond.in

WARRANTY

Acecrete Adhesions India Pvt Limited warrants to the original purchaser that its product shall be free from defects in material for a period of one year from the manufacturing of the product. Our sole liability under this warranty shall be limited to the replacement of our purchased product if proved defective under normal handling as stated in the TDS. This warranty will not extend to any other product or items which were handled along with our product. This warranty or any other legal issues or claims are subject to Kundapura jurisdiction only.

DECLARATION

The information and recommendations contained herein are based upon data believed to be correct; however, no guarantee or warranty of any kind expressed or implied is made with respect to the information provided since conditions of use, application method and surface preparation at site are beyond our control. All legal issues are subject to Kundapura jurisdiction only.



NB: Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

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