



Creating Innovative
Green-Chemistry for Sustainable Future

ACEFLOOR 501 - Epoxy Floor Screed

Product

description: ACEFLOOR 501 - Epoxy Floor Screed is three part, solvent free, low viscosity epoxy screed system.

Uses:

- * For screeding concrete substrate, cement screeds and epoxy mortars.
- * For normal to strong absorbant substrates.
- * Screed 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 Screed

Mixing ratio:

Heavy duty floor screed:- Part A : Part B: filler = 2:1:6-10
Self levelling screed:- Part A : Part B: filler = 2:1:3-6

Physical properties:

Compressive Strength	69 N/mm ² (14 days/+27 °C)
Flexural Strength	34 N/mm ² (14 days/+27 °C)
Bond strength	Concrete failure
Chemical Resistance	Resist to all mild chemicals

Consumption:

Heavy duty floor screed:- 5-6 Kg/m² for 3 mm thickness
Self levelling screed:- 1.2-1.5 Kg/m² for 2 mm thickness

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. use of silica sand as per applicator's discretion

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 as per the stated mixing ratio.
- * Add filler in small batches as per the stated mixing ratio.
- * Mix small quantity to avoid gelling before application.
- * Stir and mix continuously for 2 mins until uniformity achieved.
- * To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix.
- * Avoid air entrainment. Use spiked rollers to avoid pinholes in topcoat.
- * For the preparation of mortars use a forced action mixer of rotating pan, paddle or trough type. Free fall mixers should not be used.

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	<ul style="list-style-type: none"> * For self levelling screed, mix thoroughly using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment. * 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 covers the substrate. * For self levelling, screed is poured, spread evenly by means of a serrated trowel. * Roll immediately in two directions with a spiked roller to ensure even thickness and to remove entrapped air. * Screed should be applied on tacky primer only.
Pot life:	200 gm. mass at 25 °C : 20-25 mins
Overcoat time:	Min: 24 hours @ 25 °C Max: 3 days @ 25 °C <small>Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.</small>
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:	<ul style="list-style-type: none"> * Do not apply ACEFLOOR 501 - Epoxy Floor Screed on substrates with rising moisture. * Freshly applied ACEFLOOR 501 - Epoxy Floor Screed 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.
Caution:	<ul style="list-style-type: none"> * 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.

ACECRETE ADHESIONS INDIA PRIVATE LIMITED

Product Technical Data Sheet



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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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