

P 51

Concentrated water-based primer and bonding agent

DESCRIPTION

P 51 is a concentrated, synthetic, water-based, solvent-free multi-purpose primer with a wide range of applications which, after drying, helps to inhibit the penetration of water from subsequently applied cement-based materials.

USES

- Used to prepare internal surfaces to receive cement-based levelling compounds, screeds as well as plaster based materials.
- Helps as a pore sealer on floor surfaces to prevent air bubbles rising through subsequently applied sub-floor smoothing and levelling compounds and to prolong their flow life and workability.
- Used as a bonding agent to improve adhesion to dense and smooth concrete sub-floors and dense cement based screeds before using repair mortars.

FEATURES

- Multipurpose: Suitable for a wide range of applications
- Seals the substrate porosity
- Good adhesion to the porous surface
- Low viscosity: penetrates into the concrete substrate for a better bond
- Low odour and solvent free

PHYSICAL PROPERTIES

P 51	@ 27± 1°C
Recoat time	4 hours
Full Cure	24 hours
Bond strength	> 1.5 N/mm ²
VOC Content	10 g/L

PACK SIZE

5 kg

COVERAGE

MIXING RATIO Parts of P 51 to water	DILUTION	APPROX COVERAGE per 5kg unit of P 51
1 part P 51:1 part water	1:1	33 m ²
1 part P 51:2 parts water	1:2	60 m ²
1 part P 51:3 parts water	1:3	100 m ²

NOTE: The above coverage figures will vary depending on the roughness of the surface and absorbency of the substrate.

APPLICATION INSTRUCTIONS

Substrate Preparation

The concrete or screed substrate must be hard, sound and free of dust and other barrier materials such as paint, lime coatings, plaster, curing agents, laitance, oil, wax, polish, grease, adhesive residues, etc., that will inhibit adhesion to the substrate.

Use a suitable degreaser to remove polish, wax, grease, oil and similar contaminating substances prior to mechanical preparation. Overwatered or otherwise weak concrete surfaces must also be suitably prepared down to sound, solid concrete by mechanical methods. Dust and other debris should be removed using vacuum equipment.

Mixing & Dilution

Shake container well before use. Dilute with water as required (refer dilution table).

Application

Apply the diluted primer evenly using a brush or roller or broom on the prepared surface ensuring a uniform coating is achieved

CLEANING

Mixing and application tools should be cleaned with water immediately after use before the primer dries.

STORAGE & SHELF LIFE

P 51 has a shelf life of 12 months if kept in a dry, clean store in the original unopened containers. The product should be protected from frost, away from direct sunlight and sources of heat.

PRECAUTIONS

Aqueous synthetic based dispersion. Wash off from skin before drying takes place. Any material splashed into the eye, mouth or nose should be washed away immediately with clean water. Avoid ingestion. Small amounts are unlikely to cause more than temporary discomfort. If large amounts are swallowed, seek medical advice.

DISPOSAL/SPILLAGE

Spillage of the product should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

For further information please refer to the Material Safety Data Sheet.

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Dilution table

Substrate	Dilution P 51 : water by volume
Mixing with equal volume of cement and sand to produce a bonding slurry for OPC screeds and A 3 modified screeds	1 : 1
Mixing with A 37, cement and sand to produce a bonding slurry when applying a bonded A 37 cement and sand screed	1 : 1
Priming and as a bonding agent on porous substrates prior to applying sub-floor smoothing and levelling compounds	1 : 3 or 1 : 2 (depending on surface porosity) To be followed by a 2nd coat of 1 : 1
Priming and as a bonding agent on power floated concrete prior to applying sub-floor smoothing and levelling compounds	1 : 2
Bonding agent on smooth concrete walls prior to applying plaster-based compounds	1 : 3
To reduce dusting of internal cement screeds or on sub-floor smoothing compounds which may have to be unavoidably left exposed to foot traffic, etc., for a limited period.	1 : 3

Note:

When laying smoothing and levelling compounds on nonporous/non-absorbent substrates (quarry tiles, mosaic) or existing polyurethane, epoxy resin and bitumen bases, P 82 must be used as an adhesive bridge

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.



ARDEX ENDURA (INDIA) PRIVATE LIMITED

an ISO 9001:2008 certified company
Corporate Office & Regd. Office: Unit No. 406 & 407,
"Brigade Rubix" No. 20, HMT Campus,
Yeshwantpur Hobli, Bengaluru - 560013.
CIN No: U24233KA1997PTC022383 Tel: +91 80 66746500
Email: customercare@ardexendura.com
Website: www.ardexendura.com

Branches

• AHMEDABAD	079 26425310	• HUBBALLI	0836 2970505	• PATNA	+919934687909
• AURANGABAD	+918888480847	• HYDERABAD	040 27650293	• PUNE	020 64781879
• BENGALURU	080 40912934	• INDORE	0731 4021148	• RAIPUR	0771 6539055
• BHUBANESHWAR	+919937091799	• JAIPUR	0141 2392993	• SALEM	0427 2211454
• CALICUT	0495 2740334	• KOLKATA	033 65090604	• SHIVAMOGGA	+919880605770
• CHENNAI	044 42805544	• LUCKNOW	0522 4043251	• TRICHY	0431 6454649
• DELHI	011 26802949	• LUDHIANA	0161 2532170	• TRIVANDRUM	0471 2598648
• ERNAKULAM	0484 2341044	• MANGALURU	0824 2442176	• VIJAYAWADA	+918688354587
• GHAZIABAD	0120 6541564	• MUMBAI	022 65133299	• VISAKAPATNAM	0891 6469499
• GOA	0832 2750992	• MYSURU	0821 2570171		
• GUWAHATI	+917896002188	• NAGPUR	+919822223743		