



E 160

Integral Waterproofing Liquid for concrete and mortar



DESCRIPTION

E 160 is a specially formulated integral cement waterproofing compound in liquid form which contains selected plasticizers, surface active agents and additives. It acts as a water reducing admixture for cement concrete and mortar. It enhances concrete cohesiveness, reduces segregation, and minimizes porosity and honey combing. It is more efficient compared to traditional powder water-proofers. E 160 is free flowing liquid which disperses evenly and easily in the water.

USES

Waterproofing admixture with concrete for:

- Sunken slab, podium slab.
- Water retaining structures.
- Swimming pools.
- Roof slabs and cement screeds / mortar
- Basements
- External plastering

FEATURES

- Complies as per IS 2645-2003 Standards
- Improves the workability of concrete & cement mortar
- Improves the cohesiveness of concrete and cement mortar
- Good water reduction helps to improve durability
- Provides good surface finish
- Reduced segregation and helps to protect steel corrosion
- Minimizes shrinkage crack in cement plaster and concrete
- Minimizes the permeability and increases the waterproofing properties of concrete and cement mortar

PHYSICAL PROPERTIES

E 160	@ 27 ± 2°C
Colour & Appearance	Reddish brown free flowing liquid
Specific Gravity	1.05 to 1.07
Non-volatile content	Min 13.5%
pH	9 to 13
Setting time	Passes as per IS 2645-2003
Chloride content	Passes as per IS 2645-2003
Water permeability	Passes as per IS 2645-2003
Compressive Strength	Passes as per IS 2645-2003

PACK SIZE

200ml, 1 litre, 5 litres, 20 litres & 200 litres

MIXING INSTRUCTIONS

Dosage

The dosage of E 160 is 200ml per 50kgs of cement.

Mixing

It is generally recommended to reduce 15 - 20% of the mixing water in comparison to the normal mixes (without E 160) to ensure no loss in strength.

Place cement and aggregates into the concrete mixer as per the mix design. Mix for one minute and add about 80% pre-measured water and further mix for 2-3 minutes. Shake E 160 well and add as per the recommended dosage into the remaining 20% water. Add this mixture into the concrete mixer and mix for another 2 minutes. Place the obtained concrete as needed.

Standard construction practice should be maintained either by water curing or application of C 20 curing compound. E 160 can also be used in ready mix concrete, at sites before pumping, at a dosage not more than 200ml/ 50 kg bag of cement.

STORAGE AND SHELF LIFE

E 160 must be stored in unopened packaging, clear of the ground in cool dry conditions and be protected from excessive draught. If stored correctly, as detailed above, the shelf life of this product is 24 months from the date shown on the packaging.

PRECAUTIONS

E 160 is non-toxic, however if it comes into contact with the eyes, wash immediately with plenty of water and seek medical treatment. When used with mortar (which is alkaline) skin contact should be avoided. Gloves and protective clothing should be worn.

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.

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.

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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	0674 2421901	• 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		

