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PRODUCT DATA SHEET

ARDITEX CL

Latex Levelling and Smoothing Compound

Features

- Apply floorcoverings after as little as 12 hours
- Receives light foot traffic in as little as 2 hours
- Excellent flow and application properties
- Ideal for new build projects
- Can be used on heated screeds
- Can be applied up to 10mm in a single application



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EMS 565427

OHS 628374

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ARDITEX CL

Latex Levelling and Smoothing Compound

DESCRIPTION

ARDITEX CL is a latex levelling and smoothing compound with excellent flow and application properties. ARDITEX CL receives foot traffic after as little as 2 hours and most floorcoverings can be applied 12 hours after application.

USE

For smoothing and levelling most common internal subfloors such as concrete, cement/sand and Gypsum (anhydrite) screeds.

ARDITEX CL can be laid from a feathered edge to 10mm in a single application, or up to 30mm by incorporating ARDEX Coarse Aggregate.

SURFACE PREPARATION

The surface of the subfloor must be clean, sound and free from dust, plaster droppings, grease, paint, polish and any water-softenable or loosely adhered materials. Any remaining adhesive residues should be checked to ensure that they are not water-softenable, and that they are hard, sound and have sufficient cohesive strength to receive a levelling compound.

PRIMING

All surfaces should be primed with the appropriate ARDEX primer.

On highly porous or absorbent surfaces, such as concrete or cement/sand screeds, prime the surface with ARDEX P 51 Primer in accordance with the datasheet. The use of ARDEX P 51 Primer will aid application, improve coverage and reduce suction and pinholes. If the subfloor is impervious or very dense e.g. ceramic tiles, prime with ARDEX P4 Rapid Drying Multi-Purpose Primer, in accordance with the datasheet.

If mixes with a high aggregate content require smoothing or if a subsequent layer is required to the standard mix, the dried ARDITEX CL will require priming. Priming should be carried out with ARDEX P 51 diluted 1:3 with water, as for absorbent surfaces. The ARDEX P 51 must be applied by broom or brush and not with a roller and allowed to dry prior to applying the ARDITEX CL.

GYPSUM (Anhydrite) Screeds

Ensure that the screed has been correctly applied, the surface has been suitably prepared using appropriate mechanised equipment and tested for moisture in accordance with the screed manufacturer's recommendations. For guidance, the screed must contain less than 0.5% moisture using the carbide method, or give readings of less than 75% Relative Humidity when checked with a flooring hygrometer.

Gypsum based screeds can adversely react with cement containing materials such as levelling compounds, ceramic tile adhesives etc, unless suitably primed.

The prepared surface of the gypsum screed must be sealed with an appropriate primer such as ARDEX P 51 diluted 1:3 with water or, dependent on the information from the gypsum screed manufacturer, a sand blinded epoxy primer such as ARDEX R3E may be required to ensure adhesion, and to prevent the cement containing materials coming into direct contact with the gypsum based screed. ARDITEX CL can then be applied between 3mm and 6mm.

NOTE ARDITEX CL is not suitable for use on asphalt or timber subfloors. Consult the ARDITEX NA®, or ARDEX FA 20 product datasheets, alternatively contact ARDEX Technical Support Team for more information.

MOISTURE CONTROL

ARDITEX CL can be applied directly to ARDEX MVS 95 Residual Moisture Vapour Suppressant within a 24 hour period if the applied ARDEX MVS 95 has not become contaminated with site debris or foot traffic. If contamination occurs it should be removed and a subsequent application of ARDEX MVS 95 applied. Consult the ARDEX MVS 95 datasheet for further guidance.

When correctly primed ARDITEX CL can be applied to ARDEX Damp Proof Membranes. Please consult the ARDEX DPM 1 C / ARDEX DPM 1 C R datasheets for further information. In all cases ARDITEX CL must only be used up to a maximum thickness of 6mm.

MIXING

The mix ratio is one 20kg bag of ARDITEX CL powder to 4.5kg of ARDITEX CL liquid. The latex liquid should be thoroughly shaken and poured into a clean mixing container. Add the powder gradually while continuously stirring. The use of an ARDEX mixing paddle with a 10mm chuck electric drill makes light work of mixing. The mixed mortar has a working time of approximately 20 minutes at 20°C. For thicknesses above 10mm, and up to a maximum of 30mm, the incorporation of up to an equal volume of ARDEX Coarse Aggregate is important and will prove economic.

APPLICATION

Pour the mixed material onto the prepared and primed subfloor. Spread with a trowel or ARDEX Pin Leveller to the required thickness in one operation. Apply at temperatures above 5°C and rising. The use of a spiked roller will improve the surface finish and performance of the ARDITEX CL mortar while it is still wet and workable.

APPLICATIONS OVER UNDERFLOOR HEATING

The cement/sand screed, concrete or calcium sulphate subfloor should be installed in accordance with BS 8204 Part 1. The under floor heating system should be commissioned in accordance with the manufacturer's instructions and in accordance with the guidance given in BS 8204 Part 1.

Once thermally cycled and commissioned, the underfloor heating should be turned down to 15°C before the application of the ARDITEX CL and the final floor covering. After 48 hours the under floor heating system should be gradually re-commissioned, in accordance with BS 8204 Part 1 and BS 8203 to avoid rapid thermal change and local variations in temperature.

THICKNESS

ARDITEX CL can be applied from a feathered edge up to 10mm in one application. To fully utilise its free flowing properties the product should be applied from 2mm. A minimum application of 3mm should be applied on an impervious subfloor where the floorcovering adhesive requires an absorbent layer.

DRYING AND HARDENING

Under good conditions a 3mm layer of ARDITEX CL is walkable after as little as 2 hours, and thin applications are ready to receive most floorcoverings after only 12 hours at 20°C. Setting, hardening and drying times will be extended at lower temperatures, and shortened at higher temperatures/humidity levels.

Thicker applications will require longer to dry.

The optimum site conditions required in BS 8203: 2001 for flooring installations is a minimum of 18°C and a maximum of 27°C and should remain constant before, during and after application of flooring products.

COVERAGE

Approximately 5m² per unit when applied as a typical smoothing application of between 2mm – 3mm.

PACKAGING

ARDITEX CL powder is packed in paper sacks incorporating a polyethylene liner – net weight 20kg. ARDITEX CL liquid is in a white polyethylene container – Net weight 4.5kg.

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PRECAUTIONS

ARDITEX CL contains more than 3% Portland cement and, therefore, in line with current legislation, is classified as irritating to eyes and skin. For this reason the following precautions should be observed: - Avoid contact with skin and eyes; in case of contact with the eyes, rinse immediately with plenty of water and seek medical advice; wear suitable gloves and keep the product out of the reach of children. Avoid the generation of airborne dust during mixing. For further information, consult the relevant health and safety datasheet.

STORAGE AND SHELF LIFE

ARDITEX CL powder has a storage life of not less than 12 months if stored in dry conditions. ARDITEX CL latex has a storage life of 6 months in a sealed container if stored in frost free conditions, out of direct sunlight.

NOTE: For the latest technical or health and safety information on this product, consult the current technical or health and safety datasheet online at www.ardex.co.uk

TECHNICAL DATA

Bulk density of fresh mortar approx.
1.9Kg/litre

Compressive Strength Greater than
20N/mm²
at 28 days

Tensile Strength
Flexural Strength Greater than
10N/mm² at
28 days

ARDITEX CL

Cementitious screed material modified by polymer for use internally in buildings.
EN 13813: CT-C20-F7

NOTE: The information supplied in our literature or given by our employees is based upon extensive experience and, together with that supplied by our agents or distributors, 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 up date 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.

Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations.

TECHNICAL ADVICE HELPLINE
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