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PRODUCT DATA SHEET

ARDITEX RS TRADE

Latex Sub-Floor Levelling and Smoothing Compound

Features

- Apply floorcoverings the next day
- Rapid hardening – will take foot traffic typically after 2½ hours
- Ideal for levelling and smoothing concrete and cement/sand screeds
- Simply mixed, pre-gauged 2-part pack
- 1.5mm to 6mm in one application
- Ideal for use with all flooring adhesives
- Low odour, Ammonia free



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ARDITEX RS TRADE

Latex Sub-Floor Levelling and Smoothing Compound

DESCRIPTION

ARDITEX RS TRADE is a general purpose, latex sub-floor levelling and smoothing compound.

ARDITEX RS TRADE can be laid from 1.5mm up to 6mm thick. The rapid setting properties of ARDITEX RS TRADE mean that a 6mm layer will be ready to receive floorcoverings the next day at 20°C.

USE

For levelling and smoothing internal, sound sub-floors such as concrete, cement and sand screeds, terrazzo and tiles etc., prior to the installation of floor coverings.

NOTE: For dry, internal use only. Direct to ground sub-floors must be dry and have a functioning DPM in place. Where pre-smoothing is required underneath a surface DPM, consult the ARDITEX NA or ARDEX K 301 data sheets. DO NOT use ARDITEX RS TRADE underneath a DPM or in damp or wet locations.

PREPARATION

The surface of the sub-floor must be clean, sound and free of dust, dirt, grease, excess adhesive residues, oil etc., or loosely adhered materials e.g. plaster or paint residues. Where traces of adhesive residues remain, these must be sound, well adhered and non water softenable.

PRIMING

It is necessary to thoroughly prime all surfaces prior to applying ARDITEX RS TRADE. Prime concrete, cement/sand screeds and gypsum sub-floors with ARDEX P 51 Primer and Bonding Agent. With very smooth, dense and non-absorbent sub-floors it is necessary to use ARDEX P 82 Epoxy Primer, strictly in accordance with the data sheet, to ensure adequate adhesion of the subsequently applied ARDITEX RS TRADE. For priming surfaces with traces of sound, non water softenable adhesive residue use ARDEX P 51 Primer and Bonding Agent mixed 1:1 with water. See Priming and Preparation leaflet for guidance. Use ARDEX P 82 Epoxy Primer on smooth, dense, non-absorbent sub-floors, e.g. ARDEX DPM, ARDEX DPM 1 C, ARDEX DPM 1 CR, terrazzo and tiles. Use ARDEX DGR degreaser to remove polish, wax, grease, oil and similar contaminating substances.

NOTE: Do not use ARDITEX RS TRADE for asphalt sub-floors: consult the ARDITEX, ARDITEX NA or ARDEX FA 20 product data sheets.

When applying ARDITEX RS TRADE on top of ARDEX DPM, ARDEX DPM 1 CR or ARDEX DPM 1 C, the ARDEX DPM system will need to be primed with ARDEX P 82 Primer.

MIXING

Mixing ratio is one 22kg bag of ARDITEX RS TRADE powder with 4.6kg of ARDITEX RS TRADE latex as supplied. The emulsion should be shaken, poured into a clean mixing container and the powder added gradually with continuous mechanical mixing to produce a smooth, lump free, fluid mortar.

The use of an ARDEX mixing paddle with a 10mm chuck slow speed electric drill makes light work of mixing. The mixed mortar has a working time of approximately 30 minutes at 20°C.

APPLICATION

The mixed material is poured onto the prepared sub-floor and spread with a trowel to the required thickness in one operation. ARDITEX RS TRADE has excellent self-smoothing properties, but should any trowel marks remain, these can be rubbed down with a carborundum stone once the ARDITEX RS TRADE is hard enough to walk on. Apply at temperatures above 5°C. Alternatively a spiked roller may be used immediately after trowelling to further improve the surface finish.

THICKNESS

ARDITEX RS TRADE is suitable for thicknesses from 1.5mm up to 6mm. To benefit from the self smoothing properties, apply at 2.0mm thickness or above. Should the applied ARDITEX RS TRADE require any subsequent levelling or smoothing work allow the ARDITEX RS TRADE to completely dry, typically for 24 hours, prior to priming with ARDEX P 51 primer diluted 1:3 with water. Once the ARDEX P 51 primer has dried to a clear, thin film, the surface may be smoothed using a further thin application of ARDITEX RS TRADE or other appropriate ARDEX smoothing/levelling compound.

NOTE: ARDITEX RS TRADE is not designed for thick applications. Where the required application thickness exceeds 6mm consult the SYSTEMARDEX Commercial Flooring Brochure for advice on alternative ARDEX products and systems.

DRYING AND HARDENING

At normal temperatures a 6mm layer of ARDITEX RS TRADE is walkable after approximately 2½ hours and is ready to receive most floorcoverings typically after only 24 hours under good conditions. The setting, hardening and drying times will be extended at low temperatures and shortened at high temperatures.

Where the installation of the floorcovering will be delayed for longer than 48 hours, the surface should be covered to provide temporary protection against surface damage and contamination.

CLEANING OF EQUIPMENT

All tools and mixing containers should be washed and cleaned in water immediately after use, before the material hardens.

COVERAGE

Approximately 2.1kg mortar/m²/mm, e.g. one unit will cover approximately 5m² for a typical 2.5mm smoothing layer.

PACKAGING

ARDITEX RS TRADE powder is packed in paper sacks incorporating a polyethylene liner - net weight 22kg.

ARDITEX RS TRADE latex is in white polyethylene containers - net weight 4.6kg.

STORAGE AND SHELF LIFE

ARDITEX RS TRADE powder contains a reducing agent to control the level of Chromium VI when mixed prior to use.

ARDITEX RS TRADE powder must be stored in unopened packaging, clear of the ground in cool dry conditions and protected from excessive draught. If stored correctly, as detailed above, and used within 12 months of the date shown on the packaging, the activity of the reducing agent (added to control the level of soluble Chromium VI) will be maintained and this product will contain, when mixed with water, no more than 0.0002% (2ppm) soluble Chromium VI of the total dry weight of the cement content of this product.

ARDITEX RS TRADE must not be used after the end of the declared storage period. ARDITEX RS TRADE latex has a storage life of not less than 6 months in a sealed container if stored in frost free conditions, out of direct sunlight.

DISPOSAL

Out of date, or damaged units of ARDITEX RS TRADE powder, or liquid, are classified as waste and should be disposed of in accordance with the site waste management plan or local authority regulations as applicable.

PRECAUTIONS

Wash off any mortar or latex on the skin before it dries. Avoid generation of airborne dust during mixing. ARDITEX RS TRADE powder contains more than 20% 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.

For further information, consult the relevant safety data sheet.

TECHNICAL DATA

Weight of fresh mortar approx.	2.1kg/litre
Initial Set (Vicat) approximately	½ hour
Compressive Strength (EN196)	
After 1 day	10.0 N/mm ²
After 7 days	23.0 N/mm ²
Flexural Strength (EN196)	
After 7 days	5.0N/mm ²
Suitable for underfloor heating:	Yes

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 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.

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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