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PRODUCT DATA SHEET

ARDITEX RS 2

Ammonia Free, Low Odour Latex Sub-Floor Levelling and Smoothing Compound

Features

Cost effective low odour solution for smoothing concrete and cement/sand screeds

Unaffected by moisture, can be used under a damp proof membrane

Simply mixed, pre-gauged 2-part pack

Excellent flow characteristics

Feather edge to 6mm in one application

Apply from 6mm to 12mm incorporating ARDEX Aggregate

Ideal for use with ARDEX floorcovering adhesives

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ARDITEX RS 2

Ammonia Free, Low Odour Latex Sub-Floor Levelling and Smoothing Compound

DESCRIPTION
ARDITEX RS 2 is a cost effective, self-smoothing latex levelling compound with excellent properties of adhesion and water resistance, it is designed for use on rigid and absorbent sub-floors such as concrete, cement and sand screeds, etc. ARDITEX RS 2 can be laid from a feather edge up to 6mm thick and to greater thicknesses by incorporating ARDEX Aggregate.

Concrete and cement/sand screeds can be smoothed with ARDITEX RS 2 prior to the application of a suitable surface damp proof membrane, such as ARDEX DPM.

USE
For smoothing rigid and absorbent sub-floors prior to the application of floorcoverings.

PREPARATION
The surface of the sub-floor must be clean, firm and free of dust, dirt, grease, oil, adhesive residues, etc., or loosely adhered materials e.g. plaster or paint residues. On highly porous or absorbent sub-floors, damp down the surface with water, without leaving puddles. An alternative is to prime the surface with ARDITEX RS 2 latex diluted 1 part to 4 parts water with a broom and allow to dry which will help to reduce suction and pinholes, prior to applying the ARDITEX RS 2 mortar.

MIXING
Mixing ratio is one 22kg bag of ARDITEX RS 2 powder with 5.28kg of ARDITEX RS 2 latex as supplied. The emulsion should be shaken, poured into a clean mixing container and the powder added gradually with continuous stirring. 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 on to the prepared sub-floor and spread with a trowel to the required thickness in one operation. ARDITEX RS 2 is self-smoothing, but should any trowel marks remain, the surface may be smoothed with a wet trowel once the material is “finger tight”, i.e. not fully hardened. This can usually be done after approximately 60 minutes at normal temperatures. Alternatively any trowel marks can be lightly rubbed down with a carborundum stone once the ARDITEX RS 2 is hard enough to walk on.

Apply at temperatures above 5°C.

THICKNESS
ARDITEX RS 2 is suitable for thicknesses from a feather edge up to 6mm. For thicknesses from 6mm to 12mm incorporate up to a third volume of ARDEX Aggregate.

DRYING AND HARDENING
At normal temperatures a 3mm layer of ARDITEX RS 2 is walkable after approximately 2 hours and is ready to receive most floorcoverings typically after 6 hours under good conditions. The setting, hardening and drying times will be extended at low temperatures and shortened at high temperatures. Thicker applications will require a longer time to dry.

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

COVERAGE
Approximately 1.7kg mortar/m²/mm, e.g. one unit will cover approximately 5.3m² at 3mm thickness.

PACKAGING
ARDITEX RS 2 powder is packed in paper sacks incorporating a polyethylene liner - net weight 22kg.

ARDITEX RS 2 latex is in white polyethylene containers - net weight 5.28kg.

STORAGE AND SHELF LIFE
ARDITEX RS 2 powder contains a reducing agent to control the level of Chromium VI when mixed prior to use. ARDITEX RS 2 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 2 must not be used after the end of the declared storage period.

ARDITEX RS 2 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.

PRECAUTIONS
Wash off any mortar or latex on the skin before it dries. Avoid generation of airborne dust during mixing.

ARDITEX RS 2 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 health and safety data sheet.

TECHNICAL DATA

Bulk density of powder	approximately	1.5kg/litre
Weight of fresh mortar	approximately	1.7kg/litre
Initial Set (Vicat)	approximately	1/2 hour
Final Set (Vicat)	approximately	1 hour

Compressive Strength
After 28 days 13.0 N/mm²

Tensile Bending Strength
After 28 days 4.0 N/mm²