



CI/SfB

(43)

Pr3

FEBRUARY 2006
BUILDING DIVISION
PRODUCT DATA SHEET

ARDITEX NA

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

Features

Low odour and protein free

Excellent adhesion to almost all substrates

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

Simply mixed, pre-gauged 2-part pack

Excellent flow characteristics

Feather edge to 12mm in one application

Ideal for use with ARDEX floorcovering adhesives



Reg No. FM 1207

ARDEX UK LIMITED
Homefield Road, Haverhill, Suffolk CB9 8QP UK.
Telephone: +44 (0)1440 714939
Fax: +44 (0)1440 716660
Technical Services Fax: +44 (0)1440 716640
Email: technical.services@ardex.co.uk
ARDEX online: www.ardex.co.uk

ARDITEX NA

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

DESCRIPTION

ARDITEX NA is a self-smoothing, protein free latex levelling compound with improved flow and excellent properties of adhesion, flexibility and water resistance. Due to its special formulation, ARDITEX NA can be used under a damp proof membrane, such as ARDEX DPM. It is exceptionally easy to mix and produces very low drag on the trowel during application. In addition to these advantages, ARDITEX NA can be laid from a feather edge up to at least 12mm in a single application.

USE

To level uneven internal sub-floors to provide a smooth surface. Ideal for use in areas where low odour products are required. ARDITEX NA can be applied on all common sub-floors such as concrete and cement/sand screeds, flooring grade asphalt, quarry tiles, internal steel decks, etc.

PREPARATION

The surface of the sub-floor must be clean, sound and free from dust, plaster droppings, grease, paint, polish and any water-softenable or loosely adhered materials. On absorbent surfaces it may be necessary to damp down or prime the surface using the ARDITEX NA latex diluted 1 part to 4 parts water and allow to dry before applying the ARDITEX NA mortar. Some solvent-based adhesive residues may require priming as above. Where rising damp is present it is recommended that a suitable surface damp proof membrane, such as ARDEX DPM is applied on top of the hardened ARDITEX NA. The adhesion and hardening of ARDITEX NA is unaffected by the presence of dampness in the sub-floor providing the floor is free of surface water.

If sub-floors are impervious, e.g. flooring grade asphalt, or have adhesive residues that will be affected by subsequently applied adhesives, an overall application of ARDITEX NA at least 3mm thick and no greater than 6mm thick will be required. This is to ensure uniform drying of the new adhesive and to prevent interaction either with the old adhesive residues or with the asphalt sub-floor.

Prior to levelling wooden floors, screw down and firmly fix all loose boards. Where timber floors are sufficiently rigid but are uneven or worn, or where there is differential movement between floor boards, the technique is to pre-level the timber with ARDITEX NA prior to screw fixing 6mm to 12mm thick plywood sheets to provide a sound and stable base for the new flooring. In all cases sub-floor ventilation must be adequate to prevent deterioration and moisture movement.

MIXING

The mix ratio is one 22kg bag of ARDITEX NA powder into 5.3kg of ARDITEX NA latex. The latex should be shaken and poured into a clean mixing container. The powder is then added gradually with continuous stirring. The use of an ARDEX mixing paddle with a 10mm chuck electric drill makes this light work. For smaller quantities, 3 volumes of powder should be stirred into one volume of latex.

APPLICATION

The mixed material is poured onto the prepared floor surface and spread with a trowel to the required thickness in one operation. Apply at temperatures above 5°C. ARDITEX NA is self-smoothing, but should any trowel marks persist, the surface may be easily smoothed with a wet trowel once the material is "finger-tight", i.e. not fully hardened. Alternatively the trowel marks may be "stoned" down with a carborundum block once the material has hardened.

THICKNESS

The standard mix is suitable for applications from a feather edge up to 12mm, however for thicknesses above 8mm the incorporation of up to an equal volume of 3mm single sized aggregate will prove economic. Mixes with a high aggregate content may require a subsequent smoothing application of the standard mix of ARDITEX NA and, if this is carried out when the aggregate filled mix has dried, priming will help prevent air bubbles, suction and also prolong the flow life. Note that flooring grade asphalt and damp proof membranes should not be covered with more than 6mm of underlayment. For other substrates, please contact the ARDEX Technical Services Department for advice.

CLEANING OF EQUIPMENT

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

DRYING AND HARDENING

At normal temperatures: Working time approximately 20 minutes. Walkability approximately 2 hours depending on thickness and site conditions. A 3mm layer of ARDITEX NA is suitable to receive most floorcoverings typically after 4 hours under good conditions. The setting and drying characteristics have been selected to suit most conditions and types of surfaces to be smoothed, enabling ARDITEX NA to be used for almost every conceivable application. 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.

COVERAGE

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

PACKAGING

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

ARDITEX NA latex is in white polyethylene containers - net weight 5.3kg.

STORAGE AND SHELF LIFE

ARDITEX NA powder has a storage life of not less than 12 months if stored in dry conditions.

ARDITEX NA 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. ARDITEX NA is considered non-hazardous in normal usage. The presence of cement in the product gives an alkaline mortar which may cause some local irritation if prolonged contact with the skin takes place. Care should be taken to avoid inhalation or ingestion of dust and prevent contact with the eyes.

For further information consult the relevant health and safety data sheet.

TECHNICAL DATA

Bulk density of powder	approx. 1.3kg/litre
Initial Set (Vicat)	approx. 1 hour
Final Set (Vicat)	approx. 1 1/2 hours

Compressive Strength

After 28 days approx. 16.5 N/mm²

Flexural Strength

After 28 days approx. 5.5 N/mm²

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.