



ARDITEX NA

Self Levelling and Smoothing Compound

Low Odour - User Friendly

Superior Flow - Self Smoothing

Rapid Hardening - Install Many Floor Coverings from 4 hours

Versatile - Timber and Damp Concrete Substrates

ARDEX Australia Pty Ltd
20 Powers Road
Seven Hills NSW 2147
Tel: (02) 9851 9199
Fax: (02) 9674 5621
Email: techinfo@ardexaustralia.com
Internet: www.ardex.com

ARDEX New Zealand Ltd
32 Lane St, Woolston
Christchurch, New Zealand
Tel: (03) 384 3029
Fax: (03) 384 9779
Email: techinfo@ardexaustralia.com
Internet: www.ardex.com

ARDITEX NA

Self Levelling and Smoothing Compound

DESCRIPTION

ARDITEX NA Self Levelling and Smoothing Compound is a two part latex liquid and cementitious powder with excellent adhesion properties.

Engineered with high water resistance ARDITEX NA can be installed under a flexible waterproof membrane. With enhanced flexibility ARDITEX NA is particularly suitable for installation over timber floors.

SUBSTRATES

ARDITEX NA can be installed over a number of internal substrates including concrete, proprietary structural screeds, flooring grade asphalt, compressed FC, timber, quarry tiles and steel decks.

For levelling and smoothing of external surfaces, contact ARDEX technical services for more information.

SURFACE PREPARATION

Sub-floors must be solid, clean and free of dust, plaster droppings, grease, paint, polish and loosely adhered or water-softenable material. Prior to levelling wooden floors, re-nail and firmly fix all loose boards. Where timber floors are sufficiently rigid but are uneven, worn or where there is differential movement between floor boards, the technique is to pre-level the timber with ARDITEX NA prior to screw or ring nail fixing 6mm–12mm thick plywood or fibre-cement sheets to provide a sound and stable base for the new flooring. In all cases, subfloor ventilation must be adequate to prevent

PRIMING

On concrete substrates priming is recommended where it is necessary to eliminate 'pin holing' and on very absorbent concrete.

In permanently dry applications use ARDEX P51 over very absorbent concrete surfaces to reduce suction and pinholes. ARDEX P51 is applied evenly using a push broom. Do not use paint rollers, mops, or spray equipment. Do not leave any bare spots. Brush off all puddles of excess primer. The first coat is mixed 1 part ARDEX P51 diluted with 3 parts water. Allow to dry and install a second coat of 1 part ARDEX P51 diluted with 1 part water. Allow to dry to a thin, clear film (min. 3 hours, max. 24 hours).

When applying onto very absorbent moisture vulnerable concrete substrate apply one coat of ARDEX WPM300 at a rate of 2.0m²/L and while WPM300 is still wet, clean dry sand (~0.3-0.5mm) is spread over the surface. The coverage rate to be 700gms/m² and at least 90% coverage must be achieved. After a minimum of 12-16 hours broom and vacuum the excess sand of the surface.

Use ARDEX P82 ULTRA PRIME for timber floors. Mix part A (red) with part B (white) and apply with a short-nap or sponge paint roller, leaving a thin transparent pink coat of primer no heavier than a coat of paint. Do not leave any bare spots. Roll off any areas of excess primer. Allow to dry to a thin, slightly tacky film (min. 3 hours, max. 24 hours). ARDEX P82 must be applied in a thin layer within 1 hour of mixing. Do not install levelling compounds until primers have dried thoroughly.

Note: For high strength, burnished or polished concrete, contact ARDEX technical services. Low subfloor temperatures and/or high ambient humidity require longer drying time for ARDEX primers. Do not install levelling compounds until primers have dried thoroughly.

MIXING RATIO

To 4.8 litres of ARDITEX NA Latex liquid, add the ARDITEX NA powder (20kg) whilst mixing thoroughly for 2 minutes with heavy duty electric drill (650 rpm) to ensure a lump free mortar.

MIXING

ARDEX floor levelling products react and harden quickly when mixed with gauging liquid. Thorough mixing in the shortest possible time is essential to ensure a lump free mortar. Always mix the powder into the liquid.

The most efficient method of mixing is by using an ARDEX mixing paddle and a heavy duty electric drill (650 rpm). Normal mixing time of a 20 kg bag is 2 to 3 minutes. Concrete mixers and hand mixing are not suitable methods of mixing.

MANUAL INSTALLATION

Pour the mixed ARDITEX NA onto the prepared subfloor. Wear football boots with rubber or nylon studs to avoid leaving unnecessary marks in the liquid ARDITEX NA. Spread into place using the ARDEX gauging rake with height adjustment to obtain an even thickness. Use the ARDEX stand-up spreader for smoothing and where necessary the ARDEX hand trowel. Do not rework ARDITEX NA after 10 minutes.

INSTALLATION OVER ADHESIVE RESIDUE

ARDITEX NA may be used in application over sound, well bonded and moisture insoluble adhesive residue. As a guideline residue should not exceed 33% per square metre, no individual agglomeration of residue exceed 50x50mm in area and shall be less than 1mm in thickness. Remove all poorly bonded residue and always subsequently thoroughly vacuum. Always confirm installation on site by conducting a representative trial area. After priming apply ARDITEX NA in these cases at least 3mm thick and no greater than 6mm in thickness.

CAUTION: Installation best practice is to grind all floors clean of adhesive and other residue. Installing over adhesive residue or other contaminates increases risk of failure to the installation contractor. ARDEX Australia P/L accepts no liability where ARDITEX NA is installed over excessive, water soluble or poorly adhered adhesive residue.

PUMPING INSTALLATION

For ease and efficiency of application, ARDITEX NA can be pumped with an approved proprietary mortar pump designed for levelling compounds. Contact ARDEX technical services for detailed information on pumping.

THICKNESS

ARDITEX NA can be applied from featheredge to 12mm in one application. For thickness from 12–30mm ARDITEX NA should be mixed with ARDEX 2.5mm aggregate. Mix ARDITEX NA powder into ARDITEX NA latex liquid (4.8L) first then add the aggregate (up to an equal weight of the powder) whilst mixing. Mixes with high aggregate content may require a finishing layer of ARDITEX NA. If a finishing layer is applied, the base layer should be primed to prevent pinholes and to improve the flow of the finishing layer.

COVERAGE

Approximately 1.8kg/mm². A 20kg bag will cover approximately 13m² at 1mm thickness.

DRYING-HARDENING TIME

Allow approximately 2 hours at 23°C before foot traffic.

- Ready for tiles and breathable synthetic textile coverings in approximately 4-5 hours
- Ready for Rubber, PVC Vinyl, Linoleum and wool textile floor coverings in approximately 24 hours when installed less than 12mm in thickness

Always comply with floor covering manufacturer's moisture instructions. Higher temperatures will reduce the setting, hardening and drying time, whilst lower temperatures will extend drying time.

STORAGE

ARDITEX NA powder and liquid have a shelf life of 12 months if stored in dry conditions in unopened packaging.

HEALTH & SAFETY

ARDITEX NA powder contains cement and quartz sand. Avoid generation of dust. Do not inhale dust. Avoid contact with eyes or skin. Wear suitable personal protective equipment including protective gloves, dust mask and safety glasses. In case of contact with eyes, rinse opened eye for several minutes under running water. In case of contact with skin, rinse effected areas thoroughly with running water. If dust is inhaled, remove to fresh air, ensure breathing passages are clear, and rinse mouth with running water. If symptoms persist, seek medical advice.

Material Safety Data Sheets are available from the ARDEX website www.ardex.com or point of sale.

TECHNICAL DATA

Bulk density of powder: approx 1.2kg/L
Mixed Mortar density: approx 1.8 kg/L
Packaging: 20kg bag

Compressive Strength (AS 4992)

After 1 days: approx 5.0 MPa
After 3 days: approx 6.0 MPa
After 7 days: approx 10.0 MPa
After 28 days: approx 13.0 MPa

Flexural Strength (AS 4992)

After 1 days: approx 2.0 MPa
After 3 days: approx 3.5 MPa
After 7 days: approx 4.5 MPa
After 28 days: approx 6.0 MPa

ARDEX Australia Pty Ltd

NSW Ph (02) 9851 9100 Fax (02) 9838 7970
QLD Ph (07) 3817 6000 Fax (07) 3881 3188
VIC/TAS Ph (03) 9308 9255 Fax (03) 9308 9332
SA Ph (08) 8268 2511 Fax (08) 8345 3207
WA Ph (08) 9256 8600 Fax (08) 9455 1227

ARDEX New Zealand Ltd

Christchurch Ph (03) 3843 029 Fax (03) 3849 779
Auckland Ph (09) 2967 690 Fax (09) 2967 689
Wellington Ph (04) 5685 949 Fax (04) 5686 376

Technical Services Toll Free: 1800 224 070

DISCLAIMER

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standard, our instructions and recommendations and only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

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