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ARDIT FLOOR LEVELLER



DUNLOP® ARDIT FLOOR LEVELLER is a high quality levelling cement with superior qualities of flow and workability. Suitable for indoor and outdoor use, DUNLOP® ARDIT FLOOR LEVELLER is used prior to the installation of most types of floor coverings including ceramic tiles, carpet and vinyl.

SUBSTRATES

DUNLOP® ARDIT FLOOR LEVELLER is suitable for use over concrete surfaces.

SURFACE PREPARATION

Concrete floors must be solid, clean and free of wax, grease, asphalt, latex compounds, curing and sealing compounds and any other surface contaminant. Mechanically prepare the floor using recommended preparation methods such as shot blasting, scarifying, diamond grinding, shaving or other suitable methods to provide a roughened, clean, sound, solid and open porous surface.

Acid etching is not an acceptable method of cleaning the subfloor. Do not use solvents or sweeping compounds. Subfloors must be dry (AS 1884-1985) and properly primed for successful installation. Subfloor temperatures must be a minimum of 10°C.

Ensure the project area will have adequate falls to drainage with no ponding water.

Priming:

Use DUNLOP® PRIMER & ADDITIVE or DUNLOP® PRIMER over standard concrete floors prior to the installation of DUNLOP® ARDIT FLOOR LEVELLER. Mix one part primer with 2 parts water and apply 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. Allow to dry to a thin, clear film (min. 3 hours, max. 24 hours).

Low sub-floor temperatures and or high ambient humidity requires longer drying time for the primer. Do not install DUNLOP® ARDIT FLOOR LEVELLER until the primer has dried thoroughly.

MIXING

DUNLOP® ARDIT FLOOR LEVELLER reacts and hardens quickly when mixed with water. Thorough mixing in the shortest possible time is essential to ensure a lump free mortar. Always mix the powder into the water. The most efficient method of mixing is by using a mixing paddle and a heavy duty electric drill (650rpm). Concrete mixers and hand mixing are not suitable methods of mixing.

To 4.5 litres of water, add the DUNLOP® ARDIT FLOOR LEVELLER (20kg) whilst mixing thoroughly. This should take 2-3 minutes. Do not overwater.

APPLICATION

Pour the mixed DUNLOP® ARDIT FLOOR LEVELLER onto the prepared sub-floor. Wear football boots with rubber or nylon studs to avoid leaving unnecessary marks in the liquid DUNLOP® ARDIT FLOOR LEVELLER. Spread into place using a gauging rake with height adjustment to obtain an even thickness. Alternatively, use a flat trowel to spread into place ensuring the correct thickness is obtained at all times. Use a stand-up spreader for smoothing and where necessary use a hand trowel. Do not rework the material after 10 minutes.

DUNLOP® ARDIT FLOOR LEVELLER can be applied from 1mm to 25mm in one application. Subsequent layers up to 25mm can be applied as long as each layer is first primed with DUNLOP® PRIMER & ADDITIVE or DUNLOP® PRIMER prior to applying the next layer.

Bulkfill

To increase economy, DUNLOP® ARDIT FLOOR LEVELLER can be mixed with a well washed and dried 2-5mm aggregate for applications of 10mm to 50mm. Maximum ratio by weight of aggregate to DUNLOP® ARDIT FLOOR LEVELLER powder should be 1:1.

First mix the DUNLOP® ARDIT FLOOR LEVELLER powder with 4.2L of water, continue mixing while adding aggregate gradually until the aggregate is thoroughly and evenly mixed.

Note: Adding aggregate will modify the flow and consequently the smoothing and self-levelling properties of DUNLOP® ARDIT FLOOR LEVELLER. Where required, use neat application of DUNLOP® ARDIT FLOOR LEVELLER or skim with DUNLOP® FLOOR REPAIRER Minor Imperfections prior to installation of floor coverings.

SET TIME

Allow approximately 2 hours before subjecting to foot traffic. Higher temperatures will reduce the drying time whilst lower temperatures will extend the drying time. DUNLOP® ARDIT FLOOR LEVELLER dries faster in thinner applications.

It is recommended that the floor covering and adhesive manufacturer's guidelines are consulted regarding substrate moisture content. Substrate moisture content should always be verified by testing prior to installation of floor coverings. Generally, tiles can be installed after 3 hours whilst carpet and vinyl may be installed after 24 hours if the floor is sufficiently dry.



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COVERAGE

Approximately 1.7kg powder/mm². A 20kg bag will cover approximately 4m² at 3mm thickness or 12m² at 1mm thickness.

STORAGE

DUNLOP® ARDIT FLOOR LEVELLER has a shelf life of 12 months if stored in dry conditions in unopened packaging.

HEALTH & SAFETY

DUNLOP® ARDIT FLOOR LEVELLER contains Portland cement and quartz sand. Wear suitable personal protective equipment including gloves, dust mask and safety glasses. Avoid generation of dust. Do not inhale dust. Avoid contact with eyes or skin. In case of eye contact, rinse opened eye for several minutes under running water. In case of contact with skin, rinse affected areas thoroughly with running water. If symptoms persist, seek medical advice. Material safety data sheets are available on the dunlop website at www.dunlopdij.com.

NOTE

This product is warranted for 10 years when installed to the relevant Australian Standards and applicable ARDEX specification, technical data sheet and instruction for application and use. While we assure customers the high standard and quality of our products and services, we accept no liability for any loss or damage which arises from particular site conditions, poor handling and storage, or installation by unqualified or unskilled applicators.

LIMITATIONS

DUNLOP® ARDIT FLOOR LEVELLER is not suitable as a wear surface in outdoor situations and is not suitable for driveways or areas subject to vehicular traffic. After using DUNLOP® ARDIT FLOOR LEVELLER in internal wet areas, the area must be waterproofed with DUNLOP® UNDERTILE WATERPROOFING.

CLEANING

All tools should be cleaned with water immediately after use.

GUARANTEE

This product is guaranteed for ten years when installed to the relevant Australian standard, Ardex specifications, current technical datasheets and instructions for use. Details can be obtained from Ardex Australia Pty Ltd.

TECHNICAL DATA

Colour & Form:	Grey powder
Bulk density of powder	1.3kg/litre
Mixed mortar density	2.0kg/litre
Initial set (Vicat) DIN 1164	approx 45 minutes
Final set (Vicat) DIN 1164	approx 60 minutes
Packaging	20kg

Compressive Strength	MPa (ASTM C109)
After 1 days	approx 11
After 3 days	approx 25
After 7 days	approx 27
After 28 days	approx 37

Flexural Strength	MPa (ASTM C348)
After 1 days	approx 3
After 3 days	approx 4
After 7 days	approx 6
After 28 days	approx 8

USER NOTES

The technical details and recommendations 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 the responsibility of the user to ensure that the products are used in accordance with DUNLOP product instructions and in applications for which they are intended. Exceeds Australian Standard AS 4992.1

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