



ARDEX SUBFLOOR RECOMMENDATIONS FOR THE INSTALLATION OF LVT

FOR THE PERFECT FLOOR

The ARDEX range of High Performance Flooring products have been developed, tested and approved to be fully compatible with today's most popular floorcoverings; offering the professional installer unique application benefits and guaranteed long term performance, helping to ensure the perfect installation every time.

REPAIR



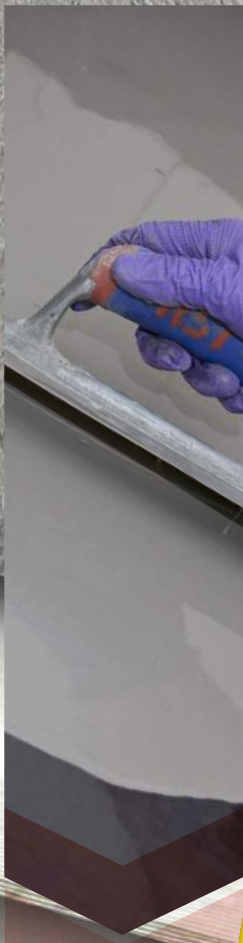
REPAIR MORTARS

PROTECT



MOISTURE CONTROL & PRIMING

LEVEL & SMOOTH



LEVELLING AND SMOOTHING COMPOUNDS

INSTALL



FLOORING ADHESIVES



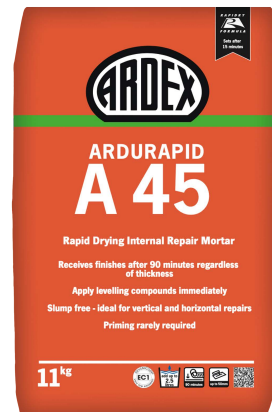
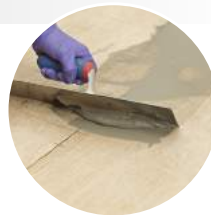
REPAIR MORTARS



ARDEX FEATHER FINISH Rapid Drying Patching Compound

- Floorcoverings can be installed after as little as 15 minutes
- True feather edge allows for greater coverage
- No priming required

Pack size: 5kg/11kg
Coverage: Approximately 50m² at 1mm



ARDEX ARDURAPID A 45 Rapid Drying Internal Repair Mortar

- Receives finishes after 90 minutes, regardless of thickness
- Priming rarely required
- Receives ARDEX Levelling Compounds immediately after application
- Slump free - ideal for vertical and horizontal repairs

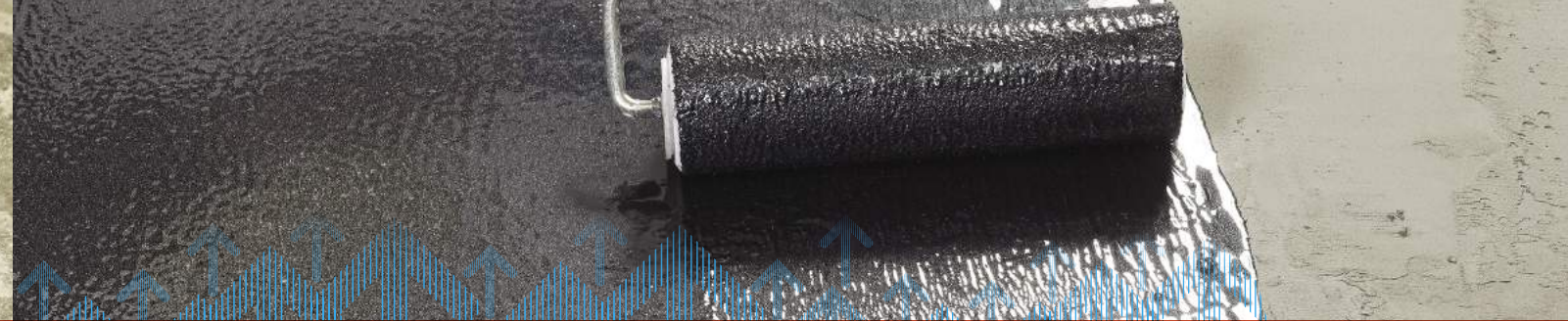
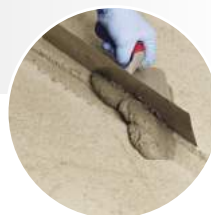
Pack size: 11kg
Coverage: Approximately 7m² at 1mm



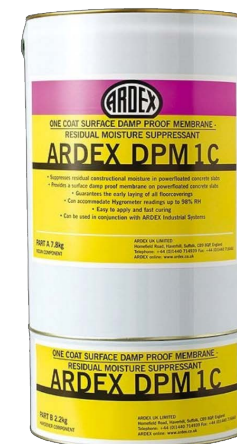
ARDEX A 46 Multi-Purpose Repair Mortar

- Ideal for patch repairs prior to the application of an ARDEX Damp Proof Membrane
- Fills cracks, gaps and holes up to 50mm deep
- Shrinkage compensated and crack free
- For internal and external use

Pack size: 5kg/11kg
Coverage: Approximately 4m² at 2mm



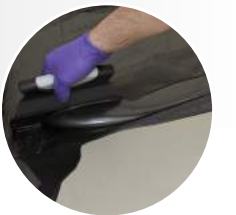
MOISTURE CONTROL AND PRIMING



ARDEX DPM 1 C One Coat Surface Damp Proof Membrane

- Protects the floorcovering from residual construction moisture and rising damp
- Can be used where a structural DPM is not present or is ineffective
- Accommodates Hygrometer readings up to 98% RH
- Adheres to saturated concrete even at lower temperatures

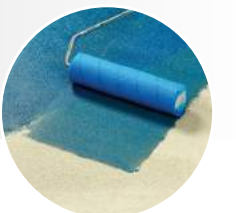
Pack size: 6kg/10kg/25kg
Coverage: 10kg unit up to 25m²



ARDEX MVS 95 One Component Residual Moisture Vapour Suppressant

- Protects the final floorcovering from residual construction moisture
- Can be used where a structural DPM is present with Hygrometer readings above 75% and below 95% RH
- Fast drying - apply smoothing compounds after 2 hours
- No priming required
- Ready for use, resealable and reusable

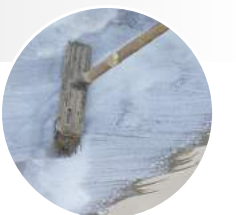
Pack size: 12kg
Coverage: Up to 32m² (two coats)



ARDEX P 51 PRIMER Water-Based Primer & Bonding Agent

- For use on dry floors prior to the application of a water-based levelling compound
- Minimises air bubbles rising through levelling compounds and porous surfaces
- Multipurpose - Suitable for a wide range of applications
- Easy to use, dilute as appropriate for the application

Pack size: 1kg/5kg/25kg
Coverage: Refer to product datasheet



LEVELLING AND SMOOTHING COMPOUNDS

ARDITEX NA

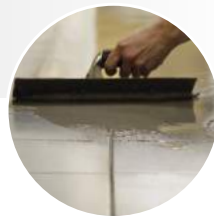
Ultra Rapid Setting Latex Subfloor Levelling and Smoothing Compound



The Original Yellow Bag®

- Excellent adhesion without priming to almost all substrates
 - Bitumen Adhesive Residues
 - Ceramic Tiles
 - Old Adhesive Residues
 - Flooring Grade Plywood
- Unaffected by moisture, can be used under an ARDEX Damp Proof Membrane and direct to damp concrete
- Install floorcoverings in as little as 4 hours

Pack size: 20kg Powder & 4.85kg Latex
Coverage: Approximately 5m² at 3mm



ARDITEX CL

Latex Levelling and Smoothing Compound



- Ideal for new build projects
- Apply most floorcoverings after 12 hours
- Receives light foot traffic in as little as 2 hours
- Excellent flow and application properties

Pack size: 20kg Powder & 4.5kg Latex
Coverage: Approximately 5m² at 2-3mm



ARDEX K 40 FLOW

Rapid Drying, High Flow Levelling and Smoothing Compound



- Market leading flow and finish
- Eliminates trowel marks
- Walkable in 2 hours
- Fit LVT in as little as 6 hours

Pack size: 22kg
Coverage: Approximately 5m² at 3mm



FLOORING ADHESIVES

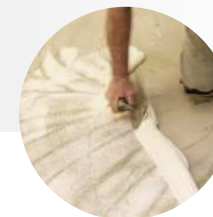
ARDEX AF 175

Luxury Vinyl Tile Adhesive



- Fibre reinforced, minimises lateral movement and adhesive squeeze during installation
- Install tiles and planks after 5 minutes
- Walk on after 2 hours
- High temperature resistance, suitable for use over underfloor heating systems

Pack size: 6kg / 14kg
Coverage: Up to 56m²



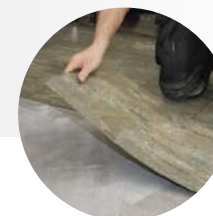
ARDEX AF 145

Pressure Sensitive Vinyl Adhesive



- Receives floorcoverings in as little as 20 minutes
- Can receive vinyl sheet up to 80 minutes after airing
- Can also be used as a wet set adhesive
- High temperature resistance, suitable for use over underfloor heating systems

Pack size: 14kg
Coverage: Up to 56m²



ARDEX AF 2575 PLUS

Heavy Duty Adhesive - One Component



- Zero waste, ready mixed and resealable
- Moisture, weather and water resistant
- High temperature resistance, ideal for use in areas of direct sunlight and with underfloor heating systems
- Suitable for internal and external use

Pack size: 7kg
Coverage: Up to 23m²





REFURBISHMENT

Our refurbishment system is ideal for older properties with damp or contaminated floors. This system reduces the need for intensive preparation and priming.

Image courtesy of Lifestyle Floors



NEW BUILD

We have two system recommendations for new build installations.

Damp Floor: If your floor has RH readings above 75% and below 95%, with a functioning structural damp proof membrane present, we recommend the use of ARDEX MVS 95.

Dry Floor: If your floor has RH readings below 75%, we recommend the use of ARDEX P 51 Primer.

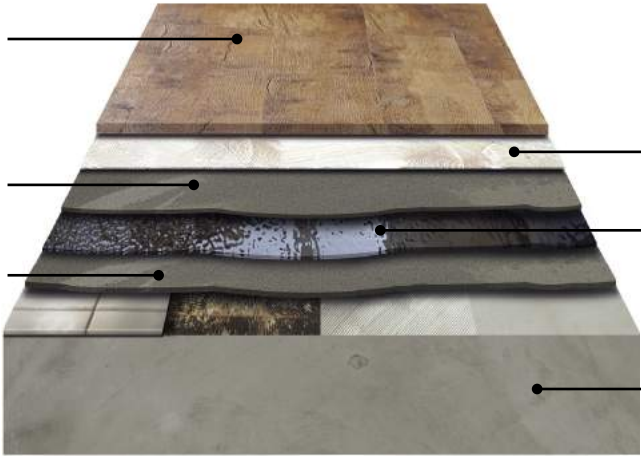
Image courtesy of Lifestyle Floors



LVT FLOORCOVERING

ARDITEX NA

*ARDITEX NA



FLOORING ADHESIVE

ARDEX DPM 1 C

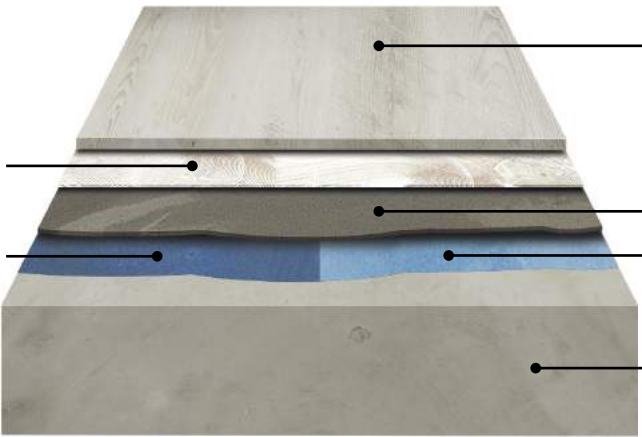
CONCRETE FLOOR/
CONTAMINATED
FLOOR

* An optional pre-smoothing layer of ARDITEX NA can be applied prior to the installation of an ARDEX DPM to ensure it is applied in a cost effective, optimal layer.



FLOORING
ADHESIVE

ARDEX MVS 95*



LVT FLOORCOVERING

LEVELLING COMPOUND

ARDEX P 51 PRIMER*

CONCRETE FLOOR

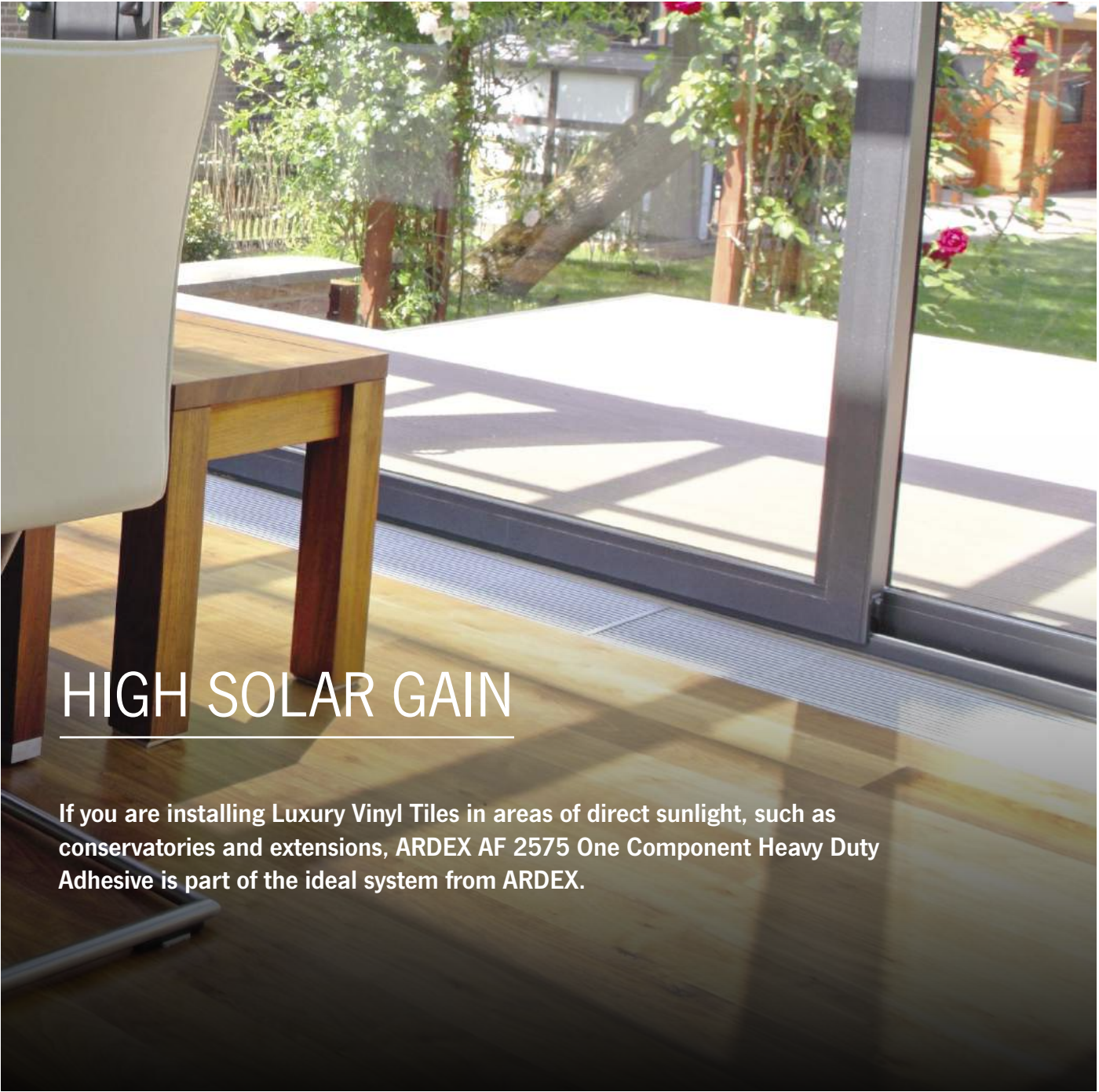
* Product selection will depend on the RH readings of the floor.



FLOORING GRADE PLYWOOD

If you are installing Luxury Vinyl Tiles over a suitable flooring grade plywood, ARDEX Feather Finish allows you to rapidly skim the plywood, and smooth between staggered sheets. ARDEX Feather Finish dries in as little as 15 minutes, ensuring a fast track LVT installation.

Image courtesy of Lifestyle Floors



HIGH SOLAR GAIN

If you are installing Luxury Vinyl Tiles in areas of direct sunlight, such as conservatories and extensions, ARDEX AF 2575 One Component Heavy Duty Adhesive is part of the ideal system from ARDEX.

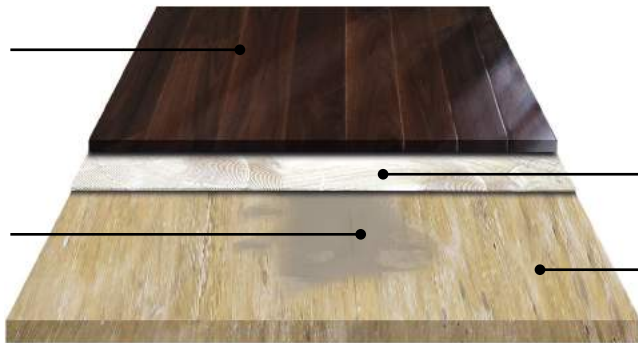


LVT FLOORCOVERING

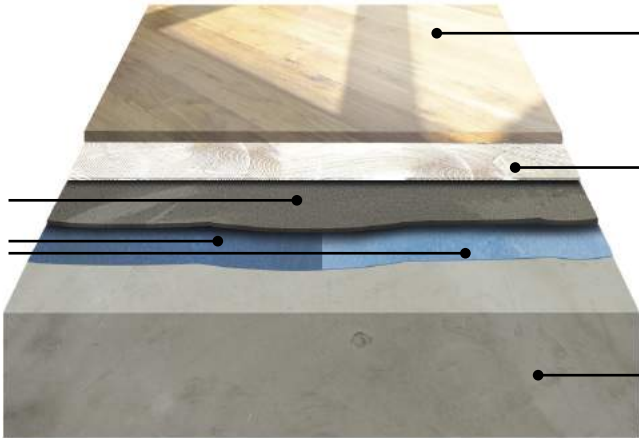
ARDEX FEATHER FINISH

FLOORING ADHESIVE

FLOORING GRADE PLYWOOD



ARDEX K 39
*MOISTURE CONTROL / PRIMING



LVT FLOORCOVERING

FLOORING ADHESIVE

CONCRETE FLOOR

* Product selection will depend on the RH readings of the floor.

INSTALLING OTHER FLOORCOVERING TYPES?

ARDEX HAS THE SOLUTION

ARDEX Flooring Adhesives meet the requirement guidelines for the EMICODE licence, achieving the lowest possible, or very low emission limits.



DESCRIPTION	PRODUCT	PACK SIZE	VINYL					LINOLEUM			CARPET								CARPET TILES			UNDERLAY		RUBBER				
			LUXURY VINYL TILE AND PLANKS	LOOSELAY LVT	VINYL SHEET	CUSHIONED	COVING / SKIRTING	VINYL COMPOSITION TILE	JUTE / HESSIAN BACKED	POLYESTER BACKED SHEET	POLYESTER BACKED TILES	WOVEN	ACTIONBAC	GEL FOAM	NEEDLEPUNCH / FIBREBONDED	SECONDARY BACKED	FELT	LATEX	PVC	ARTIFICIAL GRASS	NATURAL FIBERS	BITUMEN BACKED	PVC	GEL BACKED	CARPET UNDERLAY	SHEET UP TO 4mm	TILES UP TO 4mm	TILES ABOVE 4mm
PRESSURE SENSITIVE VINYL	ARDEX AF 145	12kg	✓		✓	✓		✓																				
PRESSURE SENSITIVE CONTRACT	ARDEX AF 148	10kg	✓		✓	✓		✓																				
VINYL	ARDEX AF 165	14kg			✓	✓																						
LUXURY VINYL TILE	ARDEX AF 175	6kg/12kg	✓			✓		✓																				
LOW EMISSION CARPET	ARDEX AF 325	14kg									✓	✓	✓	✓	✓	✓	✓	✓		✓*								
TACKIFIER	ARDEX AF 825	10kg		✓•																✓•	✓•	✓•	✓•					
HIGH GRAB TACKIFIER	ARDEX AF 835	10kg		✓•																✓**	✓•	✓•	✓•	✓**				
HEAVY DUTY (ONE COMPONENT)	ARDEX AF 2575 PLUS	7kg	✓		✓			✓											✓							✓	✓	✓
HEAVY DUTY (TWO COMPONENT)	ARDEX AF 2525 2K	6kg	✓		✓			✓											✓						€	✓	✓	
UNIVERSAL	ARDEX AF 2365	6kg/14kg	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓•‡	✓•‡	✓•‡			✓		
SOLVENT FREE CONTACT	ARDEX AF 635	2.5kg	✓‡		✓‡	✓‡	✓‡	✓‡	✓‡	✓‡	✓‡		€	✓‡	€		✓‡				✓‡	✓‡	✓‡			✓‡	✓‡	✓‡
RUBBER	ARDEX AF 275	12kg																							✓	✓		
LINOLEUM	ARDEX AF 785	14kg						✓	✓	✓																		

LEGEND: * Double Stick ermanent ertical € Contact Manufacturer release ø Up to 2.5mm

Images courtesy of Lifestyle Floors



KEY POINTS FOR THE INSTALLATION OF LVT

PRODUCT CONDITIONING

Prior to the installation of luxury vinyl tiles or planks please refer to the manufacturer's guidelines on product condition. Failure to follow the product conditioning guidelines can result in shrinkage or lipping.

- Product conditioning should always take place in the area that will receive the installation.
- The tiles, planks and any other flooring accessories should be conditioned together for a minimum of 24 hours prior to installation.
- In line with BS 8203:2017 codes of practice, the room temperature should be between 18°C and 28°C, staying constant and not varying by more than 2°C.
- The product conditioning time should be increased to 48 hours where the luxury vinyl tiles or planks have been stored and/or delivered at colder temperatures, lower than 10°C.
- Areas subject to high solar gain such as conservatories, extension areas with bi-fold doors and windows, should be shaded or covered during the product conditioning period, installation period and for 24 hours after the installation.

INSTALLATIONS WITH UNDERFLOOR HEATING

Underfloor heating systems should be commissioned in accordance with the underfloor heating manufacturer's instructions or follow the guidance given in BS 8203 and BS 8204.

- Underfloor heating systems should be switched off and fully cooled for a maximum of 48 hours prior to the installation of the final floorcovering. The system should remain off during the installation and for a minimum of 48 hours afterwards. It should then be slowly brought back up to the working temperature incrementally over several days.
- A maximum subfloor temperature, at the adhesive line of 27°C should never be exceeded. This is not room temperature.

Note: Thermal cycling of the subfloor will require raising the temperature of the substrate slowly, usually 10°C a day, to full operating temperature, held for a defined period, and slowly brought back down, usually 10°C a day, so that any shrinkage that is likely to take place occurs before the adhesive and final floorcovering is installed.

ARDEX FLOORING ADHESIVE APPLICATION

- The ARDEX Adhesive should be applied evenly using the appropriate serrated trowel, held approximately at a 60-degree angle to the subfloor to maximise coverage and avoid forming pools of adhesive.
- Allowing the adhesive to air will help to reduce lateral slide and adhesive squeeze when installing luxury vinyl tiles or planks.
- Only apply sufficient adhesive that can be covered within the working time.
- Remove any air pockets with a cork board or rubbing tool whilst the adhesive is still wet and roll the flooring with a 68kg roller and/or a smoothing tool. Roll from side to side first and then end to end. Rolling will ensure good overall contact and minimise the potential for adhesive serration grin through.
- In areas subject to high solar gain or extreme fluctuations in temperature, ARDEX recommends the use of ARDEX AF 2575 Heavy Duty Adhesive.

ADHESIVE INSTALLATION SCHEDULE

The example below is based on the ARDEX AF 175 LVT Flooring Adhesive.



Times dependent on the absorbency of the subfloor and site conditions.

LEGEND

AIRING TIME	WORKING TIME	OPEN TIME
The time the adhesive must be left open before applying the floorcovering.	The time in which the adhesive can receive the floorcovering, after the initial airing time.	The combination of airing and working time.

SETTING OUT YOUR LUXURY VINYL TILES OR PLANKS

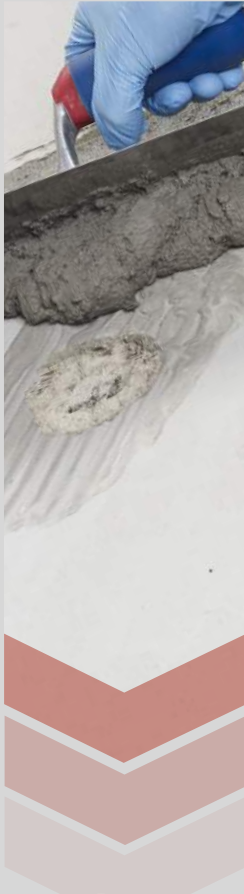
For setting out the installation of the luxury vinyl tiles or planks please refer to the manufacturer's guidelines.

CODES OF PRACTICE

Site conditions should be prepared in accordance with British Standards BS 8203:2017 Code of practice for installation of resilient floorcoverings.

Image courtesy of Lifestyle Floors

REPAIR



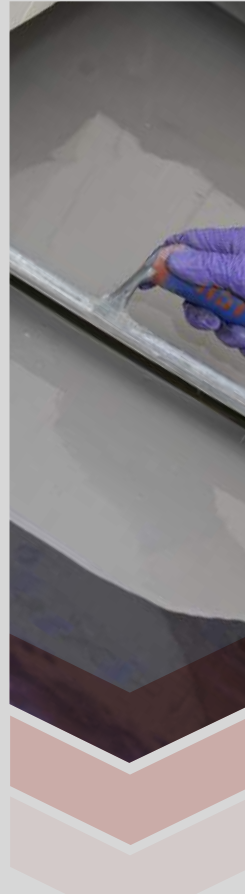
REPAIR MORTARS

PROTECT



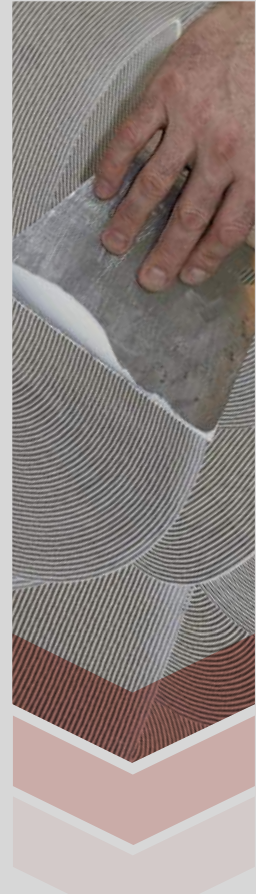
MOSITURE CONTROL
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LEVELLING AND
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FLOORING ADHESIVES



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