



Floor Levelling Compounds/Repair Mortars



Floorcovering Adhesives



Fast Track Screeds



Tile Adhesives



Tile Grouts



Waterproof Coatings



Renders



Primers, DPM's, Penetrating Screed Renovation System

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Flooring Systems

CI/SfB

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February 2013
Product Selector

**LEVELLING
COMPOUNDS**

SCREEDS

**DAMP PROOF
MEMBRANES**

**FLOORCOVERING
ADHESIVES**

**PENETRATING
SCREED
RENOVATION
SYSTEM**

PRIMERS

**PRODUCT
SELECTOR GUIDE**

SYSTEM DIAGRAMS



SYSTEMARDEX
PREMIUM PERFORMANCE





Primers, Admixes and DPMs

ARDEX R 3 E
ARDEX R 5 E
ARDEX R 6 E
ARDEX P 4
ARDEX P 51
ARDEX P 82

ARDEX E 25
ARDEX E 100
ARDEX EP 2000

ARDEX DGR

Penetrating Screed Renovation System

ARDEX PSRS

Surface Damp Proof Membranes

ARDEX DPM
ARDEX DPM 1 C
ARDEX DPM 1 C R



Fast Track Floor Screeds

ARDEX A 35
ARDEX A 35 MIX
ARDEX A 38
ARDEX A 23

ARDEX Aggregates

ARDEX Coarse Aggregate
ARDEX Fine Aggregate



Levelling and Smoothing Compounds

ARDITEX NA
ARDITEX RS PLUS
ARDITEX

ARDEX K 11
ARDEX K 15 NEW
ARDEX K 15-HB
ARDEX FA 20
ARDEX A 55
ARDEX K 80
ARDEX SD-T B

Repair Mortars

ARDEX ARDURAPID A 45
ARDEX A 46
ARDEX FEATHER FINISH

Concrete Resurfacer

ARDEX K 301



ARDEX flooring products are designed to work together for total peace of mind. Each product is the result of research and development with the help of contractors, specifiers, manufacturers and clients to ensure product compatibility and market leading performance.

We call this SYSTEMARDEX – **A system of high quality, compatible products matched to unparalleled technical and field support.**



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Floorcovering Adhesives

ARDEX AF 100
 ARDEX AF 150
 ARDEX AF 650
 ARDEX AF 700
 ARDEX AF 890
 ARDEX AF 2300
 ARDEX AF 2510
 ARDEX AF 3000



Heathrow Terminal 1

Contractor: Loughton Contracts
Products used: ARDITEX NA, ARDEX AF 2300



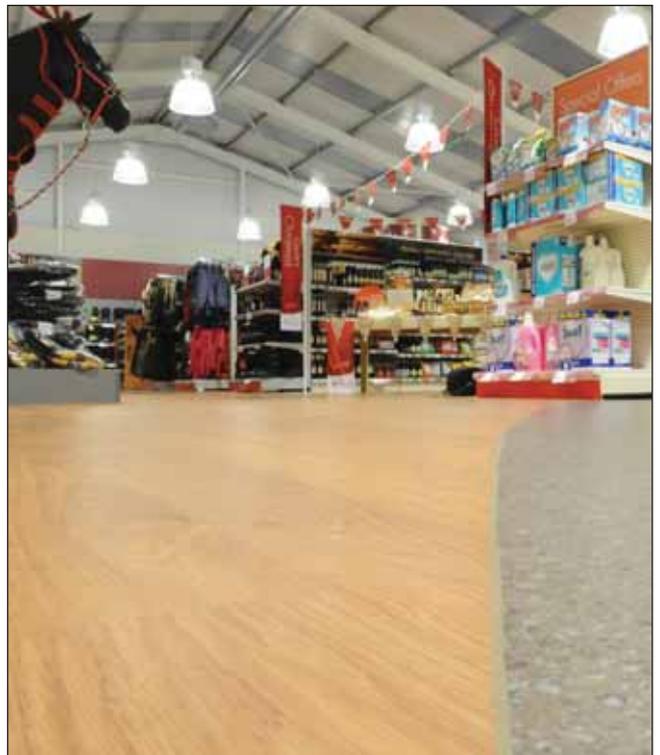
Bede Academy

Contractor: Sandafloor Ltd
Products used: ARDEX DPM 1 C, ARDITEX RS PLUS



Smyths Toys Superstores

Contractor: Hull Flooring
Products used: ARDEX K 11, ARDEX AF 100



SCATS Countrystore

Contractor: D. Kelleher Flooring
Products used: ARDEX DPM 1 C, ARDEX P 82 Primer, ARDEX K 11, ARDEX AF 100



The Royal Albert Hall

Contractor: East West Flooring
Products used: ARDITEX NA, ARDEX AF 2300



The National Gallery

Contractor: Specialist Screeding Solutions Ltd
Products used: ARDEX A 35, ARDEX K 15-HB



North Manchester General Hospital

Contractor: PCS Flooring
Products used: ARDEX DPM 1 C, ARDEX P 82 Primer, ARDEX K 11, ARDEX AF 100



John Lewis

Contractor: PCS Flooring
Products used: ARDEX K 15 NEW, ARDEX K 15 HB, ARDEX FEATHER FINISH, ARDEX DPM ARDEX AF 100, ARDEX AF 650, ARDEX AF 890



Sub-floor smoothing compounds, or underlayments, are cement-based materials that are generally fluid during application. They set and harden to form a hard, absorbent, smooth surface suitable to receive floorcoverings. They can be used to smooth out imperfections in a sub-floor which would otherwise be mirrored through the final floor finish. They may also be used as a

thin screed, by the addition of aggregate, to provide a flat floor where the necessary thickness for a conventional cement and sand screed is not available. There are two main types of underlayment; powder and water-based, or powder and latex/emulsion-based compounds.



SYSTEMARDEX
PREMIUM PERFORMANCE

A system of high quality, totally compatible products matched to unparalleled technical and field support.

A GENERAL INTRODUCTION TO FLOOR PREPARATION PRIOR TO THE INSTALLATION OF FLOORCOVERINGS

BS 8203: 2001 + A1: 2009

3.1.1 Damp-proofing solid floors

As the floorcoverings, adhesives and smoothing compounds may be adversely affected by moisture, sub-floors should be so constructed as to protect the floorcovering installation from moisture or water vapour from the ground.

Materials and methods for damp-proofing solid floors are described in CP 102 and BS 8102 and it should not be assumed that existing ground-supported concrete floors are adequately damp-proofed. Where existing structures do not incorporate adequate moisture protection, proprietary surface applied membranes or mastic asphalt should be used. Integral waterproofers incorporated in the concrete or screed will not provide adequate damp protection for the floorcoverings and will retard the drying process. Beam and block construction floors, whether finished with cement/sand or particle board, should incorporate a vapour control layer.

3.1.2 Eliminating construction moisture

Before floorcovering installation, it is necessary not only to ensure that the floor is constructed to prevent moisture reaching the floorcoverings from the ground, but to ensure that sufficient construction water is eliminated. Usually the floorcovering is fixed directly on to the concrete base slab or onto a screed laid above this. In either case the amount of water used is more than that required for hydration of any cement because the extra water is required to give adequate workability to the mix. It is essential that this extra water be allowed to evaporate and the time for this to happen should be taken into

account at the planning stage. Estimated drying times are necessarily only approximate as drying is influenced by ambient conditions, the concrete used, thickness and surface finish. Thickness and surface finish are particularly important.

For cement/sand screeds laid directly over a damp proof membrane, one day should be allowed for each millimetre of thickness for the first 50mm, followed by an increasing time for each millimetre above this thickness. It is thus reasonable to expect a screed 50mm thick under good drying conditions, to be sufficiently dry in 2 months.

For thick concrete bases laid directly over a damp proof membrane longer drying times are required. The time/thickness relationship used to predict the drying time of cement(s) and screeds does not apply to concrete bases. In practice it has been found that even under good drying conditions concrete bases 150mm thick often take more than one year to dry from one face only. Moderate and heavy use of power-float and power-trowel finishing methods further delays drying.

Suspended concrete bases laid onto permanent metal shuttering or other impermeable materials will have similar drying times to those laid over damp proof membranes. For slabs which can dry from both sides, about half the thickness can be considered to dry downwards.

Where screeds are laid directly onto the concrete bases, without a damp proof membrane between them, account should be taken of the time required to dry the total thickness of the construction.

Commonly, where floorcoverings are to be laid and the time schedules do not permit extended drying times for concrete bases, the use of sandwich damp proof membranes between the base concrete and the screed significantly reduces the time that needs to be allowed for drying.

ARDEX rapid drying cement-based systems are frequently used to produce rapid drying screeds which can reduce the timescales from months and years down to days or even hours.

3.1.3 Protection against construction moisture

Where time scales do not allow sufficient drying times and the use of a sandwich damp proof membrane is inappropriate, the need for a surface damp proof membrane to control the excess construction moisture in the sub-floor should be taken into account at the design stage. Please refer to the ARDEX DPM, ARDEX DPM 1 C and ARDEX DPM 1 C R data sheets for more information.

3.1.4 Testing

Cementitious sub-floors should be tested by the method described in Annex A and the floorcovering not laid until readings have been obtained which indicate a relative humidity of 75% or less.

Independent studies have shown that a non-invasive test of the type described in Annex A is the only suitable method relevant for use in conjunction with installation of resilient floorcoverings.



The ARDITEX range of latex levelling and smoothing compounds offer the professional flooring contractor market leading performance and unique application and performance benefits that virtually eliminate installation risk.

ARDITEX NA

Ultra Rapid Setting, Ammonia Free Sub-Floor Levelling and Smoothing Compound



ARDITEX NA's market leading properties ensure that it can be used with confidence over virtually any substrate such as old adhesive residues, including bitumen, and even ceramic tiling. Suitable to receive floorcoverings after only 4 hours, ARDITEX NA can also be used under a DPM. ARDITEX NA can be applied up to 30mm with the inclusion of ARDEX Coarse Aggregate, and has excellent flow properties.

- Application Thickness:** Total: 1.5 - 30mm
Neat: 1.5 - 12mm
With Aggregate: 8 - 30mm.
Use up to an equal volume of ARDEX Coarse Aggregate to the ARDITEX NA mix.
- Working Time:** Approximately 20 mins at 20°C
- Walkable:** Approximately 2 hours at 20°C
- Fix Ceramics:** 4 - 6 hours at 20°C
- Compressive Strength:** 16.5 N/mm² (28 day)
- Apply Floorcoverings:** 4 hours (3mm) at 20°C
- External Use:** No
- Under DPM:** Yes
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface one unit will cover approximately 5.2m² at 3mm thick.
- Material Requirement:** 1.6kg of mortar/m²/mm
- Packaging:** Available in 20kg bags with 4.85kg latex liquid.
- Storage:** ARDITEX NA powder has a storage life of 12 months if stored in dry conditions.
ARDITEX NA latex has a storage life of six months in a sealed container if stored in frost free conditions, out of direct sunlight.

ARDITEX RS PLUS

Rapid Setting, Ammonia Free Sub-Floor Levelling and Smoothing Compound



Floorcoverings can be applied after only 6 hours, ARDITEX RS PLUS is suitable for use over traces of most old adhesive residues and can be used under a DPM. ARDITEX RS PLUS can be applied up to 12mm with the inclusion of ARDEX Coarse Aggregate.

- Application Thickness:** Total: 6 - 12mm
Neat: 1.5 - 6mm
- Working Time:** 30 mins at 20°C
- Walkable:** 2 hours at 20°C
- Fix Ceramics:** 6 hours at 20°C
- Compressive Strength:** 13 N/mm² (28 day)
- Apply Floorcoverings:** 6 hours at 20°C
- External Use:** No
- Under DPM:** Yes
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface one unit will cover approximately 5m² at 3mm thick.
- Material Requirement:** 1.7kg of mortar/m²/mm
- Packaging:** Available in 20kg bags with 4.8kg latex liquid.
- Storage:** ARDITEX RS PLUS powder has a storage life of 12 months if stored in dry conditions.
ARDITEX RS PLUS latex has a storage life of 6 months in a sealed container if stored in frost free conditions, out of direct sunlight.

These products combine very good levelling and self-smoothing properties with rapid setting, hardening and drying properties which enable rapid installation of a smooth base to receive floorcovering materials. Prior to their application, the substrate should be primed with the appropriate primer where required.

ARDITEX

Ultra Rapid Setting Sub-Floor Smoothing Compound



For over 40 years ARDITEX has offered unbeatable performance. Partially self-smoothing, floorcoverings can be applied after 4 hours and it is suitable for use over most old adhesive residues, and under DPMS. ARDITEX can be applied up to 30mm with the inclusion of ARDEX Coarse Aggregate.

- Application Thickness:** Total: 1.5 - 30mm
Neat: 1.5 - 12mm
With Aggregate: 8 - 30mm.
Use up to an equal volume of ARDEX Coarse Aggregate to the ARDITEX mix.
- Working Time:** 30 mins at 20°C
- Walkable:** 2 hours at 20°C
- Fix Ceramics:** 4 - 6 hours at 20°C
- Compressive Strength:** 18 N/mm² (28 day)
- Apply Floorcoverings:** 4 hours (3mm) at 20°C
- External Use:** No
- Under DPM:** Yes
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface one unit will cover approximately 5m² at 3mm thick.
- Material Requirement:** 1.9kg of mortar/m²/mm
- Packaging:** Available in 22kg bags with 4.8kg latex liquid.
- Storage:** ARDITEX powder has a storage life of 12 months if stored in dry conditions.
ARDITEX latex has a storage life of six months in a sealed container if stored in frost free conditions, out of direct sunlight.

ARDEX K 11

Rapid Hardening Levelling and Smoothing Compound



With ARDEX K 11, floorcoverings can be applied the next day, and its rapid hardening properties mean that it is walkable in 2½ hours. ARDEX K 11 is suitable for use over traces of adhesive residues, and can be applied from 1.5mm-10mm. Suitable for floors with underfloor heating.

- Application Thickness:** Total: 1.5 to 10mm
Neat: 1.5 to 10mm
- Working Time:** 30 mins at 20°C
- Walkable:** 2½ hours at 20°C
- Fix Ceramics:** 24 hours at 20°C
- Compressive Strength:** 35 N/mm² (28 day)
- Apply Floorcoverings:** After 24 hours at 20°C
- External Use:** No
- Under DPM:** No
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface a 22kg bag will cover approximately 7m² at 2mm thick.
- Material Requirement:** 1.6kg of powder/m²/mm
- Pumpable:** Yes
- Packaging:** Available in 22kg bags.
- Storage:** 12 months under normal, dry conditions.
- Mix Water:** 4.5 - 4.8 litres per 22kg bag.



ARDEX K 15 NEW

Rapid Drying Sub-Floor Levelling and Smoothing Compound

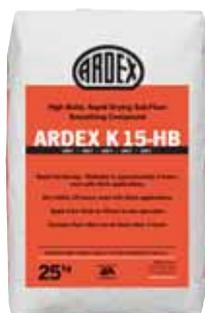


Especially useful where the installation time of the floor finish must be kept to a minimum, ARDEX K 15 NEW can be applied up to 35mm thick with the inclusion of ARDEX Coarse Aggregate. ARDEX K 15 NEW is rapid hardening, walkable after 2 hours, and regardless of thickness, floorcoverings can be applied the next day. Suitable for floors with under floor heating.

- Application Thickness:** Total: 3 - 35mm
Neat: 3 - 10mm
With Aggregate: 10 - 35mm use up to an equal volume of ARDEX Coarse Aggregate to the ARDEX K 15 NEW mix, alternatively use ARDEX K 15-HB.
- Working Time:** 30 mins at 20°C
- Walkable:** 2 hours at 20°C
- Fix Ceramics:** 24 hours at 20°C
- Compressive Strength:** 29 N/mm² (28 day)
- Apply Floorcoverings:** Within 24 hours at 20°C
- External Use:** No
- Under DPM:** No
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface a 22kg bag will cover approximately 5.25m² at 3mm thick.
- Material Requirement:** 1.4kg of powder/m²/mm
- Pumpable:** Yes
- Packaging:** Available in 22kg bags.
- Storage:** 12 months under normal, dry conditions.
- Mix Water:** 5 - 5½ litres per 22kg bag.

ARDEX K 15-HB

High Build, Rapid Drying Sub-Floor Levelling and Smoothing Compound



ARDEX K 15-HB contains graded aggregate which gives significant cost savings on sub-floors with greater application thicknesses, of up to 35mm. ARDEX K 15-HB incorporates the unique ARDEX RAPIDRY FORMULA Technology which means that the floor is walkable in 2 hours and dry within 24 hours, regardless of thickness.

- Application Thickness:** Total: 5 - 35mm
Neat: 5 - 35mm
With Aggregate: 20 - 35mm use up to half a volume of ARDEX Coarse Aggregate to the ARDEX K 15-HB mix.
- Working Time:** 30 mins at 20°C
- Walkable:** 2 hours at 20°C
- Fix Ceramics:** 4 hours at 20°C
- Compressive Strength:** 30 N/mm² (28 day)
- Apply Floorcoverings:** Within 24 hours at 20°C
- External Use:** No
- Under DPM:** No
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface a 25kg bag will cover approximately 2.7m² at 5mm thick.
- Material Requirement:** 1.84kg of powder/m²/mm
- Pumpable:** Yes
- Packaging:** Available in 25kg bags.
- Storage:** 12 months under normal, dry conditions.
- Mix Water:** 4 - 4¼ litres per 25kg bag.

ARDEX FA 20

Rapid Drying, Flexible Floor Levelling and Smoothing Compound for Timber Floors



ARDEX FA 20 incorporates MICROTEC® fibre reinforced technology which ensures a flexible, crack free finish with exceptional stability when used to smooth timber floors prior to the application of floorcoverings. ARDEX FA 20 is walkable in just 2 hours and is ready to receive floorcoverings the next day. An additional benefit is the high yield – 5m² at 3mm thickness.

- Application Thickness:** Total: 10 - 20mm
Neat: 3 - 10mm
- Working Time:** 30 mins at 20°C
- Walkable:** 2 hours at 20°C
- Compressive Strength:** 30 N/mm² (28 day)
- Apply Floorcoverings:** 24 hours at 20°C
- External Use:** No
- Under DPM:** No
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface a 20kg bag will cover approximately 5m² at 3mm thick.
- Material Requirement:** 1.4kg of powder/m²/mm
- Packaging:** Available in 20kg bags.
- Storage:** 6 months from date shown on unopened packaging.
- Mix Water:** 5.2 - 5.5 litres per 20kg bag.

ARDEX A 55

Ultra Rapid Drying Self Smoothing Compound



ARDEX A 55 is extremely quick drying which makes it ideal for areas that require rapid repair and renovation work i.e. hospital wards that need to remain open. The sub-floor is ready to receive floorcoverings after only 1½ hours and the adhesive can be applied whilst ARDEX A55 is still damp.

- Application Thickness:** Total: 1.5 - 20mm
Neat: 1.5 - 10mm
With Aggregate: 10-20mm use from half to equal volumes of ARDEX Coarse Aggregate to the ARDEX A 55 mix.
- Working Time:** 15 mins at 20°C
- Walkable:** 1½ hours at 20°C
- Fix Ceramics:** 1½ hours at 20°C
- Compressive Strength:** 35 N/mm² (28 day)
- Apply Floorcoverings:** 1½ hours at 20°C
- External Use:** No
- Under DPM:** No
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface a 22kg bag will cover approximately 9.8m² at 1.5mm thick.
- Material Requirement:** 1.5kg of powder/m²/mm
- Packaging:** Available in 22kg bags.
- Storage:** 12 months under normal, dry conditions.
- Mix Water:** 6 - 6¼ litres per 22kg bag.



ARDEX repair and smoothing products are ideal for applications that require rapid repairs. i.e. patching, smoothing and filling prior to laying floorcoverings.

ARDEX FEATHER FINISH

Rapid Drying Patching and Smoothing Compound



ARDEX FEATHER FINISH is a rapid drying patching and smoothing compound that can be used for filling and feather finishing on plywood, concrete, cement/sand screeds, levelling compounds and ceramic tiles etc. Floorcoverings can be installed after as little as 15 minutes and its true feather edge allows for coverage of up to 50m² per 11kg bag.

- Application Thickness:** Total: 12mm (4 x 3mm*)
Neat: 0 - 3mm
- Working Time:** 15 mins at 20°C
- Walkable:** 15 - 90 mins (15 mins as a scratch coat on absorbent surfaces)
- Compressive Strength:** 20 N/mm² (28 day)
- Apply Floorcoverings:** 15 - 90 mins at 20°C (15 mins as a scratch coat on absorbent surfaces)
- External Use:** No
- Under DPM:** No
- Coverage:** Depending on flatness of surface an 11kg bag will cover approximately 50m² as a skim coat or 10m² at 1mm thick.
- Packaging:** Available in 5kg or 11kg bags.
- Storage:** 6 months under normal, dry conditions.
- Mix Water:** 2 parts powder: 1 part water

*Screeds and concrete only.

Maximum total thickness of 3mm on timber floors.

ARDEX ARDURAPID A 45

Rapid Drying and Hardening Internal Repair Mortar



ARDEX ARDURAPID A 45 is ideal for the rapid repair of internal concrete, screeds, renders and concrete steps, ARDEX ARDURAPID A 45 can also be used to form ramps, fill cracks and make good around fittings and pipework. ARDEX ARDURAPID A 45 receives finishes after 1½ hours regardless of thickness and is slump free, making it ideal for vertical and horizontal repairs.

- Application Thickness:** Total: 0 - 20mm
Neat: 0 - 5mm
With Aggregate: 5 - 20mm mixed with up to an equal volume of ARDEX Coarse Aggregate or ½ volume of clean sharp sand.
- Working Time:** 15 mins at 20°C
- Walkable:** 1½ hours at 20°C
- Fix Ceramics:** 1½ hours at 20°C
- Compressive Strength:** 30 N/mm² (28 day)
- Apply Floorcoverings:** 1½ hours at 20°C
- External Use:** No
- Under DPM:** No
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface an 11kg bag will cover approximately 7m² at 1mm thick (7 litres of mortar).
- Packaging:** Available in 11kg bags.
- Storage:** 12 months under normal, dry conditions.
- Mix Water:** 2½ litres per 11kg bag

ARDEX A 46

Rapid Setting and Hardening External Repair Mortar



ARDEX A 46 is a slump free repair and patch mortar which can be used for both internal and external repairs to stair treads and risers. It is also ideal for infilling holes around fittings and for patch work on wall and floor areas. ARDEX A 46 has rapid hardening properties that mean it is walkable in just 2-3 hours, as well as being suitable for use below a DPM.

Application Thickness:	Total: 2 - 30mm Neat: 2 - 30mm
Working Time:	15 mins at 20°C
Walkable:	2-3 hours at 20°C
Fix Ceramics:	24 hours at 20°C
Compressive Strength:	20 N/mm ² (28 day)
Apply Floorcoverings:	24 hours at 20°C
External Use:	Yes
Under DPM:	Yes
Underfloor Heating:	Yes
Coverage:	Depending on flatness of surface an 11kg bag will cover approximately 4m ² at 2mm thick (8 litres of mortar).
Packaging:	Available in 11kg bags.
Storage:	12 months under normal, dry conditions.
Mix Water:	2.7 - 3 litres per 11kg bag.



ARDEX Fast Track Floor Screeding Products

To cope with the demands of the industry, many projects require fast turnarounds that minimise downtime and disruption, and allow fast track installations by facilitating the early laying of floorcoverings.

Traditional sand/cement screeds can take months to dry, but ARDEX screeds that incorporate the unique ARDEX RAPIDRY FORMULA Technology, can receive floorcoverings, including ceramic tiles, after only 4 hours, regardless of thickness.

These unique rapid setting and hardening properties mean that a BRE screed test can be carried out after only 6 hours as opposed to a conventional screed which must be left for at least 2 weeks.

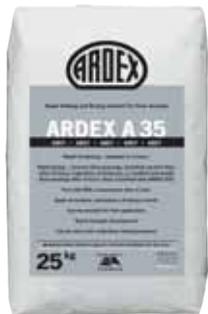




Traditional screeds can take months to dry, but with the unique ARDEX RAPIDRY FORMULA Technology, they are dry after 24 hours regardless of thickness. These unique rapid setting and hardening properties mean that a BRE Screed Test can be carried out after only 6 hours as opposed to a conventional screed which must be left for at least 2 weeks.

ARDEX A 35

Rapid Setting and Drying Cement for Internal Floor Screeds

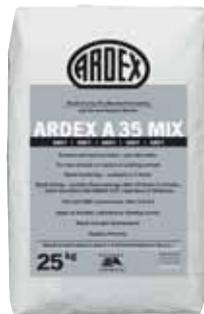


ARDEX A 35 incorporates ARDEX RAPIDRY FORMULA Technology which produces a floor screed that can be walked on after just 3 hours, and is dry enough to receive floorcoverings after 24 hours regardless of thickness. After 1 day the compressive and tensile strengths of ARDEX A 35 exceed the acceptable minimum attained by a conventional screed after 28 days. Resilient floor finishes can be applied after 4 hours when smoothed with ARDEX A 55.

- Application Thickness:** Bonded screed: 15 - 50mm
Unbonded screed: 50mm+
Floating screed: 65/75mm+
(65mm for domestic locations only)
- Working Time:** 1 hour at 20°C
- Walkable:** 3 hours at 20°C
- Fix Ceramics:** Bonded screed: 24 hours at 20°C
Unbonded screed: 24 hours at 20°C
- Compressive Strength:** 1:4 mix - 40 N/mm² (28 day)
1:5 mix - 32 N/mm² (28 day)
- Apply Floorcoverings:** 24 hours at 20°C
(4 hours if smoothed with ARDEX A 55)
- External Use:** No
- Under DPM:** No
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface a 25kg bag mixed with 125kg of screeding sand will cover approximately 1.6m² at 50mm thick.
- Material Requirement:** 1:4 mix = 0.37kg/m²/mm
1:5 mix = 0.31kg/m²/mm
- Pumpable:** Yes.
- Packaging:** Available in 25kg bags.
- Storage:** 12 months under normal, dry conditions.
- Mix Water:** Please refer to data sheet.
- Screed Test:** After 6 hours @ 20°C (BS 8203)

ARDEX A 35 MIX

Rapid Drying Pre Blended Screeding and Screed Repair Mortar for Internal Use



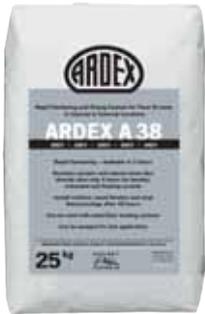
ARDEX A 35 MIX is pre blended with graded aggregate which gives significant cost savings on floors that require greater application thicknesses. ARDEX A 35 MIX incorporates ARDEX RAPIDRY FORMULA Technology which produces a floor screed that can be walked on after just 3 hours, and is dry enough to receive floorcoverings after 24 hours regardless of thickness. After 1 day the compressive and tensile strengths of ARDEX A 35 MIX exceed the acceptable minimum attained by a conventional screed after 28 days. Resilient floor finishes can be applied after 4 hours when smoothed with ARDEX A 55.

- Application Thickness:** Bonded screed: 15 - 50mm
Unbonded screed: 40mm+
Floating screed: 65/75mm+
(65mm for domestic locations only)
- Working Time:** 1 hour at 20°C
- Walkable:** 3 hours at 20°C
- Fix Ceramics:** Bonded screed: 24 hours at 20°C
Unbonded screed: 24 hours at 20°C
- Compressive Strength:** 40 N/mm² (28 day)
- Apply Floorcoverings:** 24 hours at 20°C
(4 hours if smoothed with ARDEX A 55)
- External Use:** No
- Under DPM:** No
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface approximately 0.5m² at 25mm thick per 25kg bag.
- Material Requirement:** 1.85kg of powder/m²/mm
- Packaging:** Available in 25kg bags.
- Storage:** 12 months under normal, dry conditions.
- Mix Water:** 2 litres per 25kg bag.
- Screed Test:** After 6 hours @ 20°C (BS 8203)



ARDEX A 38

Rapid Hardening and Drying Cement for Floor Screeds in Internal or External Location



Traditional sand/cement screeds can take months to dry, but an ARDEX A 38 screed can receive tiling after 4 hours for bonded, unbonded and floating screeds, regardless of thickness. ARDEX A 38 can be walked on after 3 hours and is suitable for internal and external use, including wet and submerged areas.

- Application Thickness:** Bonded screed: 15 - 50mm
Unbonded screed: 50mm+
Floating screed: 65/75mm+
(65mm for domestic locations only)
- Working Time:** 60 mins at 20°C
- Walkable:** 3 hours at 20°C
- Fix Ceramics:** Bonded screed: 4 hours at 20°C
Unbonded screed: 4 hours at 20°C
Floating screed: 4 hours at 20°C
- Compressive Strength:** 1:5 mix - 45 N/mm² (28 day)
- Apply Floorcoverings:** 48 hours at 20°C
(4 hours if smoothed with ARDEX A 55)
- External Use:** Yes
- Under DPM:** Yes
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface
approximately 1.6m² per 25kg bag for
50mm 1:5 screed
- Material Requirement:** 1:5 mix = 0.31kg/m²/mm
- Pumpable:** Yes.
- Packaging:** Available in 25kg bags.
- Storage:** 12 months under normal, dry conditions.
- Mix Water:** Please refer to data sheet.
- Screed Test:** After 24 hours @ 20°C (BS 8203)

ARDEX A 23

Rapid Hardening Cement for Floor Screeds



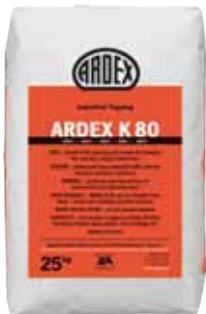
ARDEX A 23 can be used to produce a bonded, unbonded and floating floor screed for internal use. Traditional sand/cement screeds can take months to dry, but an ARDEX A 23 screed can receive tiles after only 48 hours, and resilient floor finishes after 6 days.

- Application Thickness:** Bonded screed: Minimum 20mm
(design thickness up to 40mm)
Unbonded screed: 50mm+
Floating screed: 65/75mm+
(65mm for domestic locations only)
- Working Time:** Up to 45 mins at 20°C
- Walkable:** 8 hours
- Fix Ceramics:** Bonded screed: 48 hours @ 20°C
Unbonded screed: 48 hours @ 20°C
Floating screed: 48 hours @ 20°C
- Compressive Strength:** 21 N/mm² (7 days)
30 N/mm² (28 days)
- Apply Floorcoverings:** 6 days @ 20°C
- External Use:** No
- Under DPM:** No
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface
approximately 1.6m² per 20kg bag for
50mm 1:5 screed
- Material Requirement:** 1:7 mix = 0.27kg/m²/mm
- Pumpable:** Yes.
- Packaging:** Available in 20kg bags.
- Storage:** 12 months under normal, dry conditions.
- Mix Water:** Please refer to data sheet.
- Screed Test:** After 24 hours @ 20°C (BS 8203)

ARDEX Concrete Toppings are suitable where an Industrial topping or wearing surface is required to give a hard, flat and smooth surface, or as a base suitable to receive compatible paint and resin coatings.

ARDEX K 80

Rapid Drying Industrial Topping/Wearing Surface



ARDEX K 80 is a cement based compound for resurfacing and levelling existing concrete floors to give a hard, smooth, flat wearing surface, or as a base suitable for paint and resin coatings.

Application Thickness:	5 - 10mm
Working Time:	Approximately 30 minutes at 20°C
Walkable:	After 2 hours at 20°C
Compressive Strength:	32 N/mm ² (28 day)
Apply Suitable Finishes:	24 hours at 20°C for up to 10mm thick layer
External Use:	No
Under DPM:	No
Underfloor Heating:	No
Abrasion Resistance:	At least AR1 in accordance with BS 8204
Coverage:	Depending on flatness of surface a 25kg bag will cover approximately 3m ² at 5mm thick
Material Requirement:	1.65kg of powder/m ² /mm
Pumpable:	Yes
Packaging:	Available in 25kg bags
Storage:	12 months under normal, dry conditions
Mix Water:	4¼ - 5¼ litres per 25kg bag.

ARDEX SD-T B

Sub-Floor Pre-Levelling Base Mix



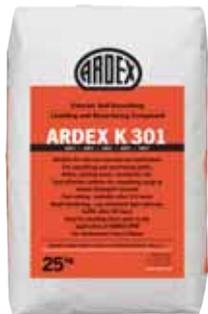
ARDEX SD-T B is pre-blended with graded aggregate which gives significant cost savings on floors that require greater application thicknesses, and is designed to pre-level concrete surfaces prior to applying ARDEX K 80.

Application Thickness:	10 - 50mm
Working Time:	15 minutes at 20°C
Walkable:	2 hours at 20°C
Compressive Strength:	30 N/mm ² (28 day)
Apply Suitable Toppings:	24 hours at 20°C
External Use:	No
Under DPM:	No
Underfloor Heating:	No
Coverage:	Depending on flatness of surface a 25kg bag will cover approximately 1.9m ² at 7mm thick
Material Requirement:	1.87kg of powder/m ² /mm
Pumpable:	Yes
Packaging:	Available in 25kg bags
Storage:	12 months under normal, dry conditions
Mix Water:	3½ - 3¾ litres per 25kg bag.



ARDEX K 301

Exterior Self-Smoothing and Resurfacing Compound



ARDEX K 301 is ideal for repairing impact damaged concrete drives, paths, balconies and patios as well as on larger surface areas including private car parks and courtyards. ARDEX K 301 is walkable after 2-3 hours and can be trafficked after 48 hours. ARDEX K 301 can also be used to pre-level floors prior to the application of a DPM.

- Application Thickness:** Total: 2 - 20mm
Neat: 2 - 20mm
- Working Time:** 30 mins at 20°C
- Walkable:** 2-3 hours at 20°C
- Compressive Strength:** 28 N/mm² (28 day)
- External Use:** Yes
- Under DPM:** Yes
- Underfloor Heating:** Yes
- Coverage:** 7.8m² at 2mm thick.
- Material Requirement:** 1.6kg powder/m²/mm
- Pumpable:** Yes
- Packaging:** Available in 25kg bags.
- Storage:** 12 months of date shown on packaging.
- Mix Water:** 5¼ litres per 25kg bag.



ARDEX Surface Damp Proof Membranes are used where time is critical and where a cementitious floor has no, or an effective DPM, enabling the rapid installation of the flooring system.

ARDEX DPM 1 C

One Coat Surface Damp Proof Membrane and Residual Moisture Suppressant

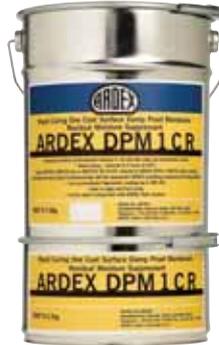


Provides a surface damp proof membrane and barrier to rising ground moisture. Easy to apply, one coat application that guarantees the early laying of all floorcoverings and can accommodate Hygrometer readings up to 98% RH and has excellent resistance to water, grease, oil etc.

- Application Thickness:** 250 microns per coat up to 85% RH
350 microns per coat up to 98% RH
- Working Time:** 20 mins at 20°C
- Walkable:** 6 hours at 20°C
- External Use:** n/a
- Underfloor Heating:** Yes*
- Coverage:** Approximately 1.8m²/kg or 2.5m²/kg.
- Material Requirement:** One 10kg unit will cover approximately 18m² in one 350 micron coat or 25m² in one 250 micron coat.
- Packaging:** Available in 6kg or 10kg units in pre-gauged metal duo containers or 25kg pre-gauged plastic containers.
- Storage:** 12 months in the original unopened container if stored in dry conditions.

ARDEX DPM 1 C RAPID

Rapid Curing One Coat Damp Proof Membrane and Residual Moisture Suppressant



A rapid drying, one coat DPM that can be overcoated after 4 hours making it ideal for fast track installations. ARDEX DPM 1 C R can accommodate Hygrometer readings up to 98% RH and has excellent resistance to water, grease, oil etc.

- Application Thickness:** 250 microns per coat up to 85% RH
350 microns per coat up to 98% RH
- Working Time:** 20 mins at 20°C
- Walkable:** 4 hours at 20°C
- External Use:** n/a
- Underfloor Heating:** Yes*
- Coverage:** Approximately 1.8m²/kg or 2.5m²/kg.
- Material Requirement:** One 10kg unit will cover approximately 18m² in one 350 micron coat or 25m² in one 250 micron coat.
- Packaging:** Available in 6kg or 10kg units in pre-gauged metal duo containers.
- Storage:** 12 months in the original unopened container if stored in dry conditions.

*The underfloor heating must be commissioned in accordance with the manufacturer's guidelines. The RH % should not be greater than 85%