



ARDEX K 60

Rapid Setting Self Levelling and Smoothing Compound

- DNV Marine Certified
- Low odour – User friendly
- Superior flow – Self smoothing
- Rapid hardening – Install many floor coverings from 4 hours
- Versatile – Timber and damp concrete substrates
- Excellent adhesion with high water resistance
- Can be laid up to 15mm in one application
- Apply up to 30 mm incorporating aggregate



DESCRIPTION

ARDITEX K 60 Self Levelling and Smoothing Compound is a two part latex liquid and cementitious powder with excellent adhesion properties. Engineered with high water resistance, ARDITEX K 60 can be installed under flexible waterproof membranes. With enhanced flexibility ARDITEX K 60 is particularly suitable for installation over timber floors

SUBSTRATES

New and existing concrete, Substrates with special requirements (Contact ARDEX Technical Services)- Moisture vulnerable concrete, terrazzo, ceramic tiles, concrete subfloors with electric heating, existing epoxy coatings, high strength concrete greater than 35N/mm².

SUBSTRATE 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 timber with ARDITEX K 60 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 the build-up of dampness.

PRIMING

On permanently dry concrete substrates priming is recommended where it is necessary to eliminate 'pin holing' and on very absorbent concrete. ARDEX P 51 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 P 51 diluted with 3 parts water. Allow to dry and install a second coat of 1 part ARDEX P 51 diluted with 1 part water. Allow dry

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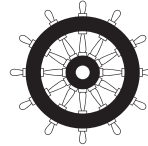
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24201
EN 13813:2002

ARDEX K 60

Cementitious screed for internal use
EN 13813:CT-C12-F4; Polymer-modified

Reaction to fire:	A2 _s -s1
Release of corrosive substances:	CT
Water permeability:	NPD
Water vapour permeability:	NPD
Compressive strength:	C12
Flexural strength:	F4
Wear resistance according to BCA:	NPD
Sound Insulation:	NPD
Sound absorption:	NPD
Thermal resistance:	NPD
Chemical Resistance	NPD



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ARDEX Turkey is a subsidiary of the international ARDEX Group.

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to a thin, clear film (min. 3 hours, max. 24 hours). When applying onto very absorbent moisture vulnerable concrete substrates apply ARDEX PU 30 Primer or ARDEX P 82 Epoxy Primer.

Due to wax coating and sealers used on some brands of particle board/chipboard, it is necessary to remove these coatings and prime.

Do not install levelling compounds until primers have dried thoroughly.

Note: 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 4,95 litres of ARDEX K 60 Latex liquid, add the ARDEX K 60 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 the ARDEX mixing paddle and a heavy duty electric drill (650 rpm). Normal mixing time of a 20kg bag is 2 to 3 minutes. Concrete mixers and hand mixing are not suitable methods of mixing.

MANUAL INSTALLATION

Pour the mixed ARDEX K 60 onto the prepared subfloor. Wear football boots with rubber or nylon studs to avoid leaving unnecessary marks in the liquid ARDEX K 60. Spread into place using the ARDEX gauging rake with height adjustment to obtain an even thickness. Use ARDEX stand-up spreader for smoothing and where necessary the ARDEX hand trowel. Do not rework ARDEX K 60 after 10 minutes.

If required, additional layers of ARDEX K 60 can be applied once the previous layer has hardened sufficiently. Prime between layers

INSTALLATION OVER ADHESIVE RESIDUE

ARDEX K 60 may be used in applications 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 to 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 ARDEX K 60 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 contaminants will increase the risk of application failure to the contractor. ARDEX Turkey accepts no liability where ARDEX K 60 is installed over excessive, water soluble or poorly adhered residue.

PUMPING INSTALLATION

For ease and efficiency of application ARDEX K 60 can be pumped using a suitable Automatic Mixing Pump. Follow the instructions as set by the pump manufacturer.

THICKNESS

ARDEX K 60 can be applied from featheredge to 15mm in one application. For thicknesses from 15-30mm ARDEX K 60 should be mixed with 2-5mm aggregate. Mix ARDEX K 60 powder into ARDEX K 60 latex liquid (4.95 l) first then add the aggregate (up to an equal weight of powder) whilst mixing. Mixes with high aggregate content may require a finishing layer of ARDEX K 60. If a finishing layer is applied, the base layer should be primed to prevent pinholes and to improve the flow of the finishing layer.

DRYING -HARDENING

Drying time is dependent on jobsite temperature, humidity, installation thickness and floor covering type. (Based on 23°C and 50% RH.)

Walkable from 2 hours.

Ready for tiles and breathable synthetic textile coverings in 4-5 hours.

Ready for Rubber, PVC Vinyl, Linoleum and wool textile floor coverings in 24 hours when installed less than 15mm 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.

HEALTH AND SAFETY

ARDEX K 60 contains Portland cement and quartz sand. Avoid generation of dust. Do not inhale dust. Avoid contact with eyes or skin. Wear suitable protective gloves 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 area 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. Safety Data Sheets are available on request.

TECHNICAL DATA ACCORDING TO ARDEX QUALITY STANDARDS

Mixing ratio:	4,95 kg liquid for 20kg powder
Bulk density:	approx. 1,3 kg/L
Consumption:	approx 1,6 kg/m ² mm A set will cover approx 5m ² at 3mm thickness
Workability *	approx. 20 minutes
Walkability *:	approx. 2 hours
Ready to receive floor coverings *:	Thickness Time required
	Up to 3mm's 12 hours
	Up to 5mm's 24 hours
	Up to 10mm's 48 hours

*All data is approximately based on laboratory test made at a temperature of +20°C and relative humidity of %65. Environmental conditions may change these values. Higher temperatures and lower relative humidity decrease these duration whereas lower temperature and higher relative humidity increases them.

Compressive strength:	After 28 days approx. 15 N/mm
Tensile bending strength:	After 28 days approx. 4,5 N/mm ²
Resistant to chair castors:	Yes
Suited for floorheating:	Yes
EMICODE:	EC 1 Plus - Very low emission
GHS/CLP classification	Powder Component: GHS 07, Irritant, Signal Word: Warning Latex Component: EUH 208
GGVSEV/ADR classification:	None
Packaging:	20 kg paper bag + 4,95 kg bucket
Storage and shelf life:	Can be stored for approx. 9 months in dry rooms in originally sealed packaging.