



YAPIDAKİ GÖRÜNMEZ GÜÇ

ARDEX K 11 T

Self Levelling Compound

Produces a smooth, flat, absorbent surface for the subsequent laying of all kinds of flooring materials

Cement-based

Levelling and smoothing of floor areas

For thicknesses up to 10 mm in one application

Self-smoothing

Pumpable

Early trafficable

Ready to receive floor finishes starting from 24 hours

Suitable for floors with underfloor heating

Ideal for use with ARDEX floorcovering adhesives

Low odour & low organic emissions



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DESCRIPTION

ARDEX K11 T is a rapid hardening self levelling compound, walkable after approximately 2,5 – 3 hours and ready for use after 24 hours for thicknesses up to 5 mm, and in 3 days for thicknesses after 5mm. Grey powder with special cements, high quality synthetic resins, selected fillers and other special additives.

AREAS of APPLICATION

Dry, internal, cementitious sub-floors;
Filling, smoothing and levelling of concrete slabs and cementitious screeds prior to application of floor coverings such as vinyl, linoleum, carpet, ceramic tiles and floating timber floors.

SUBSTRATE PREPARATION

Principally, the substrate must be mature, sound, solid, clean and dry with good surface integrity – in other words, sufficiently cured, firm, load bearing and free from all contaminants such as dust, laitance, oil & grease, adhesive & coating residues, release agents, curing compounds, etc. Concrete floors must be at least 4 weeks old.

Mechanically prepare the substrate surface using recommended preparation methods such as shotblasting, 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. Repair minor defects such as superficial cracking and holes using an appropriate ARDEX product, ie: A45 or solventfree liquid epoxy. All joints and cracks subject to movement must be brought through to the final floor finish and suitably detailed for the particular application.

Substrates where the measured moisture level is above 2% ARDEX PU 30 Primer should be used as a moisture barrier up to 4% moisture. The moisture barrier application requires two coats of ARDEX PU 30. Alternatively sanding the first coat, or applying a second coat of ARDEX P4 is also possible. Please see technical data-sheet of ARDEX PU 30 for more information.

After suitable preparation, the substrate must be thoroughly vacuumed and properly primed for a successful installation.

PRIMING

If ARDEX PU 30 is used as a moisture barrier already no additional priming is necessary. Otherwise the substrate must be primed according to this below guideline.

Normal/Standard Concrete & Existing ARDEX Self-Levelling Compounds

Use ARDEX P51, diluted 1:3 with water. Apply evenly with a bristle push broom. Allow to dry to a thin, clear film (minimum 1 hour - maximum 24 hours).

Very Absorbent Substrates

Apply 2 coats of diluted P51 primer. Allow each coat to dry sufficiently before proceeding.

Non-absorbent Substrates

Apply 1 coat of ARDEX PU 30, afterwards sand the surface or install a second coat with ARDEX P4.

MIXING RATIO

5 L of clean water per 25kg bag of ARDEX K11 T.

MIXING

ARDEX floor levelling products react and harden quickly when mixed with water. Thorough mixing with a heavy duty electric drill fitted with an ARDEX mixing paddle in the shortest possible time is essential.

Always mix the powder into the water. The normal mixing time for a 25kg bag is 1½ - 2 minutes. Concrete or screed mixers, paint mixers, spiral mixers and hand mixing are not suitable.

INSTALLATION

ARDEX K11 T can be applied in temperature ranges (substrate & atmospheric) from 10° - 35°C.

ARDEX K11 T has a flow time of approx. 10 - 15 minutes at 20°C. At lower temperatures this time is extended and at higher temperatures this time is shortened.

Work to an area that suits the size of the installation team such that fresh mortar is poured into workable mortar, which can then be spread, gauged and trowelled within the flow time of the material.

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Pour the mixed K11 T material onto the prepared & primed substrate and then spread into place using appropriate tools. Rake the material to gauge the thickness if required and then smooth the surface with a flat trowel if required.

The use of a spiked roller may aid the final levelling of the material, but is not normally necessary. If used, the spiked roller should be used within the flow time of the product and limited to a maximum of 2 passes.

Studded shoes should be worn when walking in the fresh mortar to avoid leaving marks.

For ease & efficiency in applying material in large areas, ARDEX K11 T can be pumped with continuously working auger or piston style pumps with a capacity of 20 – 40L of mortar per minute. If the pumps are not in operation for 15 minutes they should be cleaned. Protect the surface of the setting material from wind, sunlight and contamination for 24 hours. The application of a small test area prior to complete installation is recommended in unusual circumstances.

CURING & DRYING TIMES

Walkability

Allow approximately 3–4 hours at 20°C before foot traffic.

Application of Floor Coverings

Porous floor coverings such as conventional carpet, ceramic tiles and floating floors can be applied onto the cured K11 T after 24 hours, regardless of thickness.

Direct stick impervious floor coverings such as vinyl and linoleum can generally be applied after 24 hours for thicknesses less than 5mm. For thicknesses from 5–10mm, allow 72 hours curing.

Refer to the relevant product datasheet or manufacturers' instructions for specific application and usage details in relation to the chosen floor covering.

Full Cure

ARDEX K11 T will gain sufficient strength after 24 hours to allow access for the commencement of finishing or light traffic activity. Allow 7 days curing at 20° before subjecting the material to full service conditions.

Note: Higher temperatures may reduce curing & drying times, whilst lower temperatures will extend the drying time.

CLEAN-UP

Clean all tools, equipment, hands, etc with water immediately after use. Hardened material will have to be removed using mechanical means.

COVERAGE

Assuming a flat surface approx 1,7 kg powder required per mm/m²

PACKAGING

25kg multi-layer paper bags incorporating a poly liner.

STORAGE & SHELF LIFE

ARDEX K11 T has a shelf life of approximately 12 months if stored in dry conditions in the original unopened packaging.

STANDARDS & NORMS

ARDEX K 11 T conforms to EN 13813 CT-C25-F5 class.

Technical data according to ARDEX quality norms

Mixing Ratio	: Approx. 5 l of water per 25 kg bag
Fresh Mortar Weight	: Approximately 2,0 kg/l
Coverage	: Approx. 1,7 kg powder / m ² - per 1 mm
Working time	: About 20-30 minutes (at 20°C)
Walkability	: Approximately 2,5 hours
Application of coverings	: Depending on environment conditions approx 1 day for thicknesses up to 5 mm, 3 days for thicknesses up to 10 mm
Suitable for Underfloor	: Yes
Heating	
Packaging	25 kg kraft sacks
Storage & Shelf Life	Approximately 12 months if stored in dry conditions in the original unopened packaging.

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EN 13813:2002

ARDEX K11 T

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EN 13813:CT-C25-F5

Compressive Strength

≥ 25 N/mm²

Flexural Strength

≥ 5 N/mm²

Böhme Abrasion Resistance

NPD

Bonding Strength

NPD

pH Value

NPD

Fire Class

E

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