



RAS FLOOR AL

*Ultrafast drying, fibre reinforced, self-levelling compound
for application thickness from 1 to 10 mm*



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RAS FLOOR AL

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PRODUCT DESCRIPTION

RAS FLOOR AL is an ultra-fast drying, fibre reinforced self-levelling mortar, designed for levelling and preparing inner substrates for thicknesses of from 1 to 10 mm. The product can be applied on all traditional substrates, new or existing, concrete slabs, concrete screeds, natural stone, ceramic, etc. The treated substrates are suitable for any type of floor. The self-levelling feature makes it easy to work, very smooth, with excellent adhesion to the substrates. The product can be spread without shrinkage and develops very high compressive and flexural strength, as well as resistance to abrasion.

COMPOSITION

RAS FLOOR AL is a premixed mortar based on special fast-drying cements with high mechanical strength, calcareous and siliceous aggregates (selected and measured out according to specific grading curve), fibres and special additives that improve the performance in terms of workability, adhesion to substrates and self-levelling properties.

SUBSTRATE

RAS FLOOR AL can be applied on cement-based screeds (also with under-floor heating), existing tiles, natural stone and concrete slabs. Before applying **RAS FLOOR AL**, substrates must be dry, sound, free from dust, loose areas, paint, wax, oil, grease and must be coplanar and normally absorbent. On gypsum-based substrates and/ or anhydrite screeds, ceramic tiles on existing floors, or very porous and absorbent substrates, apply previously a coat of **MICROGRIP** at least 2 hours before applying the self-levelling mortar.

CONCRETE BASED SUBSTRATE PREPARATION

The substrate must be sound, solid, free from dust, and brittle parts. The surfaces must be dry and free from rising damp. Clean surfaces to remove all traces of residual cement, release agent, dust, grease, brittle or detached parts by sandblasting or pressure washing. Restore the substrate using mortar for concrete repair. Moisten the prepared substrates with clean water before applying the waterproofing system.

CEMENT-BASED SCREEDS AND CEMENT FOUNDATIONS

The substrate must be sound, solid, free from dust, and brittle parts. The surfaces must be dry and free from rising damp. Seal in advance any cracks in the screed.

MIXING & APPLICATION

Mix a 25 kg bag of **RAS AL FLOOR** with about 5.5 litres of clean water, using an electric mixer at low speed until the mixture is smooth and free of lumps. Leave to rest for about 2-3 minutes and stir again before use. Apply the product in a single coating with a metal trowel or squeegee to reach a thickness of between 1 and 10 mm. The self-levelling product clears any imperfections or splits naturally. Respect any existing expansion joints in the substrate.

TOOL CLEANING

Clean all equipment and tools with water immediately after use. The hardened material can only be removed by physical scraping.

YIELD / COVERAGE

1.7 kg per m² per mm of thickness.
3 m² @ 5 mm/25 kg bag.
1.4 m² @ 10 mm/25 kg bag.

COLOUR

Grey.

PACKAGING

25 kg bags on disposable 1575 kg pallet (63 bags) protected by waterproof plastic wrap.

STORAGE & SHELF LIFE

12 months from date of manufacture if stored in unopened original packaging in a dry and frost-free place.

WARNINGS

Do not apply in temperature below +5°C or above +35°C. Do not apply on frozen, dusty, uneven and inconsistent substrates. Do not apply to frozen or thawing substrates or if freezing temperatures are expected within 24 hours. Each coating must be from 1 to 10 mm thick. Do not use the product as a floating screed. Do not use on surfaces subject to rising damp. Always evaluate a preliminary treatment of the substrates by applying a layer of **MICROGRIP** at least 2 hours before applying the levelling mortar.

PRODUCT

▪ *Appearance* Powder



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DATA

▪ Colour	Grey	
▪ Powder volume mass	~ 1200 kg/m ³	EN 1015-10
▪ Maximum aggregate size	≤ 1.0 mm	

APPLICATION DATA

▪ Water content of mix	22%	
▪ Mixture ratio	1 bag + 5.5 l of water	
▪ Density of fresh mortar	~ 2000 kg/m ³	EN 1015-6
▪ Minimum application temperature	+ 5°C	
▪ Maximum application temperature	+ 35°C	
▪ Pot life mixture	< 30' minutes	EN 1015-9
▪ Minimum application thickness	1.0 mm	
▪ Maximum application thickness	10.0 mm	
▪ Set to foot traffic	> 12 hours (depending on weather conditions)	
▪ Time before laying ceramic flooring	> 12 hours*	
▪ Time before laying parquet flooring	> 24 hours*	

*Before laying the coatings always test the residual humidity using a Calcium Carbide hygrometer.

TECHNICAL DATA

▪ Compressive strength	≥ 25,0 N/mm ² C25	EN 13892-2
▪ Flexural strength	≥ 7,0 N/mm ² F7	EN 13892-2
▪ Reaction to fire	A1 _{fl} Class	EN 13501-1
▪ Böhme abrasive strength	NPD	EN 13892-3
▪ Release of corrosive substances	CT	EN 13892-2
▪ Water permeability	NPD	EN 1062-3
▪ Vapour permeability	NPD	EN 12086
▪ Sound insulation	NPD	EN ISO 140-6
▪ Sound adsorption	NPD	EN 12354-6
▪ Thermal resistance	NPD	EN 12524
▪ Chemical resistance	NPD	EN 13529

ENVIRONMENT, HEALTH, AND SAFETY (REACH)

For further information and advice on the handling, storage and safe disposal of the material, the user must consult the latest version of the Safety Data Sheet (SDS) available on the Internet, at www.vimark.com, which contains information on the physical characteristics, ecological and toxicological products, together with other safety information. Product complies with the provisions of the Regulation (EC) no. 1907/2006 (REACH) and Annex XVII, item 47 and subsequent amendments and additions.

PRODUCT FOR PROFESSIONAL USE.

	EN 13813 Cementitious screed material for internal use CT-C25-F7
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COMPLIANCE

LEGAL NOTES

The data and prescriptions shown in this sheet, based on the best practical and laboratory experience, refer to laboratory tests and are to be considered in any case as indicative. The information and, in particular, the instructions concerning the application and final use of Vimark products are provided in good faith based on the current knowledge and experience of Vimark on the products provided they are properly stored, handled and used under normal conditions and observing Vimark's recommendations. Considering the different conditions of use and external factors that are independent of Vimark (support, environmental conditions, laying technique directions, etc.), those wishing to use them must therefore decide whether or not the product is suitable for use. Our warranty guarantee is therefore limited to the quality and consistency of the same with regard to the finished product, and exclusively for the above reported data. The company Vimark reserves itself the right to make technical changes without prior notice. Users must always refer to the latest version of the local data sheet relating to the product in question, copies of which will be provided upon request. This technical sheet cancels and replaces all previous editions. Any updates are published on the website www.vimark.com.



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