

PRATIX® Aero Plast

Cement Based Plaster for Aerated Concrete

About the Product

PRATIX® Aero Plast is a cement based, polymer-modified, fibre-reinforced fine plaster mortar developed for aerated concrete and concrete surfaces. It is formulated to suit the high water absorption and low surface strength of aerated concrete, forming a strong, crack-resistant layer that can be painted directly.

Complies with class GP CS II W2 according to EN 998-1.

GP: General purpose rendering and plastering mortar

CS: Compressive strength class (CS II 1.5 – 5.0 N/mm²)

W: Capillary water absorption class (W2)

Areas of Use

- For plastering aerated concrete walls, internally and on façades
- For thin plastering of concrete and cement-based surfaces
- For obtaining a smooth surface before painting or wallpapering
- For levelling the surface of existing plasters

Advantages

- Developed specifically for aerated concrete surfaces
- High adhesive strength
- Resistant to cracking and impact
- Vapour permeable; does not disturb the moisture balance of aerated concrete
- Can be painted directly or covered with wallpaper
- Resistant to freeze-thaw cycles

Technical Properties

General Information	
Material composition	Cement, mineral fillers and special chemical admixtures
Appearance	Grey powder
Max. aggregate grain size	Max. 0.8 mm
Average dry bulk density (EN 1015-10)	1400 ± 100 kg/m ³
Performance Data	
Compressive strength (EN 1015-11)	~3 – 5 N/mm ² (CS II)
Fracture pattern (EN 1015-12)	FP: B
Capillary water absorption (EN 1015-18)	W2 – c ≤ 0.20 kg/m ² ·min ^{0.5}
Water vapour diffusion resistance coefficient (EN 1015-19)	μ ~8 – 15
Thermal conductivity (λ _{10,dry} – EN 1745)	~0.50 – 0.60 W/mK

Application Data	
Application temperature	+5°C / +30°C
Service temperature	-20°C / +80°C
Mixing ratio (water / powder)	~0.23 L water / 1 kg powder ~5.75 L water / 25 kg powder
Pot life	~60 minutes
Consumption	~6 kg/m ² (for 5 mm thickness)
Safety Data	
Reaction to fire class (EN 13501-1)	A1
Hazardous substances	Refer to SDS

The stated technical values were obtained at an ambient temperature of +23°C and 50% relative humidity. Higher temperatures shorten these times, lower temperatures extend them.

Application Instructions

Surface Preparation

The substrate must be sound, load-bearing, dry, clean and free of dust. It must be free of oil, paint, rust, paraffin and similar residues that could impair adhesion. On aerated concrete walls, mortar squeezed out of the joints and level differences between blocks must be corrected with a sanding float and the resulting dust removed with a brush. Gaps between blocks and surface defects exceeding 5 mm must be filled with the same product before plastering and left to dry. Because aerated concrete is highly absorbent, in hot and dry weather the surface must be dampened or a suitable primer applied before plastering; no standing water may remain. Do not apply in weather conditions with a risk of frost (within 24 hours), in direct sunlight, in strong wind or in rainy weather.

Mixing

The amount of water stated in the technical table is poured into a clean container and the powder is added slowly. The mix is stirred with a 400 – 600 rpm mixer until free of lumps. After standing for 3 – 5 minutes it is stirred again for 1 minute and is then ready for use. No water may be added to a mix that has begun to set, and such a mix must not be re-stirred and used.

Application

The material is applied to the surface in an even thickness with a steel trowel. On large surfaces, work should progress in sections that can be completed within the open time. Once the material has slightly stiffened, the surface is finished with a trowel or a sponge float; where a smooth surface is required before painting, floating must be carried out at this stage. Where a thicker application is required, the second coat must be applied after the underlying layer has become load-bearing. At junctions between different substrates (aerated concrete to concrete transitions, column and beam edges), the use of a plaster mesh is recommended. After application, the surface must be protected from direct sun, wind and frost for the first day. During application and setting, the ambient and surface temperature must be between +5°C and +30°C.

Cleaning of Tools

After application, the tools and equipment used must be cleaned immediately with water before the material dries. Hardened material can only be removed mechanically.

Storage Conditions and Shelf Life

Store in its unopened original packaging in a cool and dry place. Packaging must be tightly closed when not in use. Caked or hardened product must never be used. When stored under the correct conditions, the shelf life is 12 months from the date of production.

Safety Precautions

During application, work clothing, protective gloves, goggles and a mask appropriate to occupational health and safety requirements must be used. Because of the irritant effects of the material, the product must not come into

contact with skin or eyes; in case of contact, rinse immediately with plenty of water and soap, and in case of ingestion consult a doctor immediately. Foodstuffs must not be brought into areas where the material is applied. Store out of the reach of children. For more detailed information, refer to the Safety Data Sheet.

Liability

Our company is responsible only for the quality of the product. Any use of the product outside the scope of the written technical recommendations, including incorrect application or use under unsuitable conditions, is entirely the responsibility of the user. For more detailed technical information, please consult the product catalogue or contact our representatives.

Packaging

25 kg kraft paper bag

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