aerodurit SPECIALISED

FP2015

LIME CEMENT SPECIALISED FINE FINISHING PLASTER

aerodurit Construction Materials for Generations

aerodurit® Putz- & Betontechnologie GmbH
Albert-Reis-Str. 7 · D-88356 Ostrach
Phone: +49 (0) 75 85 92 44 990
Fax: +49 (0) 75 85 92 44 999
E-Mail: tm@aerodurit.de
www.aerodurit.com

TECHNICAL DATA SHEET

As of: 9 September 2020

NON-HYDRO-PHOBIC

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Advantages	
aerodurit® system-compatible	✓
Active capillary dehumidification	✓
Very supple	✓
High diffusivity	✓
Regulates the micro-climate in damp rooms	✓
Anti mould effect	✓

Special Applications	
Fine finishing plaster	✓
Quick drying of the facade even after heavy rain	✓
Object-related for listed buildings	✓
Old and new buildings	✓
External and internal plaster	✓

FORMS PART OF aerodurit SPECIALISED AURORA THERMAL INSULATION PLASTER SYSTEM

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Mineral, ecological fine finishing plaster based on lime cement CS II-W1 / DIN EN 998-1 for aerodurit® SPECIALISED plasters (aerodurit® EP2010, ZEP2040, BASIC, AURORA). Suitable for finishing plaster groups CS II to CS IV. Without chemical additives and substances to improve the processing properties.

COMPOSITION

Selected crushed limestone sands, high quality Portland cement, hydrated lime in accordance with DIN EN 197, inorganic aerodurit®-additives. Selected aggregates in accordance with DIN EN 13139.

APPLICATION

aerodurit® FP2015 offers a multitude of application possibilities and fulfills highest demands. As external and internal plaster, for building base area, storerooms, tunnels, churches, city walls, garden walls etc. For new buildings as a precautionary measure in case of high strain by room climate and / or weather.

PROPERTIES

Non-hydrophobic, no synthetic chemicals, high diffusivity, high salt resistance, water repellent, resistant to freeze-thaw-cycles, no stand time between layers, excellent mechanical and manual processing, feltable, high daily performance.

TECHNICAL DATA

Working temperature (surrounding air, object and material)	+ 5 °C to + 30 °C
Grain size	0–0.8 mm
Fire performance	A1 / non-combustible

PRODUCT YIELD

30 kg yield about 6.5 m² with a plastering layer of 3 mm.

SUPPLY FORM

30 kg in paper bag. A maximum of 42 bags on euro pallet.

CONSISTENCY

Plastic. The plaster is initially firm but during the mixing process will become more liquid. Practical tip: «When the mortar is cut with the trowel, it should stand on its own.»

PLEASE NOTE

Partially cured material must not be further processed. The plaster must be prevented from drying out too quickly and from weather influences such as sun, wind, driving / torrential rain and frost. To ensure successful curing and drying, temperatures should be above + 10 °C with a relative humidity of ca. 60 %. Indoors, this can be achieved by airing (do not use building dehydrators).

PLASTER THICKNESS

Plaster thickness of 3–5 mm.

MANUAL PROCESSING

Low water usage. Use approximately 6.5 litres clean water per 30 kg dry mortar. Hold the electric mixer at an angle and mix at medium rpm for 2 to 3 minutes, until the mortar is ductile and air bubbles are visible. Do not over-mix and only mix as much material as can be processed immediately.

MACHINE PROCESSING

Low water usage. With the correct setting, aerodurit® FP2015 can be used in all plastering machines. For machine processing, we recommend a PFT G4 / G5: rotor and stator D6–3 (standard or twister), injection nozzle on top. Hose Ø 35 mm with max. 13.5 linear metres and hose Ø 25 mm with max. 5 lineal metres or just hose Ø 25 mm with max. 10–15 lineal metres. Spray nozzle 14 mm. Also check www.pft.de

Ensure that the inner hose is sufficiently lubricated before starting up (e.g. cement slurry). In case of processing breaks exceeding 20 minutes, machine and hose must be emptied.

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TECHNICAL DATA SHEET

SYSTEM SETUP – STEP BY STEP

1 PREPARATION OF BASE LAYER

Substrate inspection and preparation as well as rendering must be carried out according to VOB / CATV DIN 18350 and DIN V 18550. All substrates must be clean, stable, free of dust, blooming and separating agents. Remove sinter skin. Substrates that cannot be consolidated or provide insufficient adhesion must be completely removed.

2 PRIMER

Crumbly and absorbent surfaces have to be primed with system-compatible aerodurit® CALSOL NATURE M-5 Mineral Primer to establish load-bearing capacity (see Technical Data Sheet aerodurit® CALSOL NATURE M-5).

3 PROCESSING

Moisten and roughen the surface. Without primer, the surface must be **intensively pre-wetted** and roughened. Avoid or remove sintered layers at all costs. Apply with a trowel evenly, seamlessly and smooth out. Depending on the substrate and ambient temperature, the plaster can be treated as usual (e.g. levigated, smoothed, etc.) once the stability has been confirmed (finger pressure test). Treat the plaster surface with a **moist**, not dripping wet tool (e.g. fine sponge board), as otherwise there is the risk of bonding agent accumulation resulting in surface cracks. For larger areas, synchronous working (application / felting) is advisable. The provisions of the current DIN V 18550 are applicable.

4 PAINTS AND COATINGS

Please take care not to reduce the high diffusivity by using impermeable paints or coatings. We recommend silicate paints, in particular aerodurit® SOLAMENT CLIMATE Silicate Paint.

STORAGE

Store weatherproof on wooden pallets in a cool, dry room. Reseal opened packaging immediately. Closed packaging has a shelf life of 12 months from the production date under proper storage conditions. Keep out of the reach of children.

DISPOSAL

Allow product residues that are no longer required to dry completely and dispose of under waste code (AVV) 17 09 4 or hand over for disposal (mixed construction and demolition waste without mercury, PCB, and hazardous substances). Outside Germany, the local regulations are to be observed and complied with. Low chromate content according to directive 2003 / 53 / EG, GISCODE ZP1.

For further details please refer to the safety data sheet.

The specifications contained in this technical data sheet are based on years of proven experience by the company aerodurit®. A liability for the general validity of the individual data and recommendations, must, however be ruled out due to the varying processing conditions, as the application and processing methods are beyond our control.

The general rules of construction engineering must be adhered to. The data of internal or third-party monitoring may vary on the construction site due to processing methods, intensity of the mixing, technical specifications of the machines, adhesion of the substrate, application thickness, environmental influences, and the age of the material (refer to «Forschungsgemeinschaft Kalk und Mörtel e.V.» (research community lime and mortar), Report on norms, practical experience and theory, «26th Aachener Baustofftag»).

Previous data sheets become void through the publication of this data sheet.