



TECHNICAL DATA SHEET

KEIM ATHENIT[®]-FORTE

1. PRODUCT DESCRIPTION

KEIM Athenit-forte is a ready-to-use lime paint according to DIN 55945 based on pure, at least 3 years matured pit lime and high white Greek marble powder without synthetic binder additives. Enriched with titanium dioxide, KEIM Athenit-forte has very good hiding power.

2. FIELD OF APPLICATION

KEIM Athenit-forte can be used indoors on lime plasters, lime-cement plasters, renovation plasters as well as absorbent natural stones, concrete and mineral old coatings.

A wide variety of applications are possible in combination with the precisely coordinated product components of the KEIM Athenit system.

Not suitable for:
oil containing substrates

3. PRODUCT PROPERTIES

- ready to use
- low stress
- intense and lightfast colour shades
- smudge-proof
- environmentally friendly
- non-yellowing
- classic chalk lustre effect
- highly permeable
- fire behaviour: non-flammable
- no plant-based resins
- no synthetic binders

MATERIAL CHARACTERISTICS:

- Density: approx. 1.5 - 1.6 g/cm³

CLASSIFICATION:

- Diffusion-equivalent air layer thickness (sd-value): < 0,02 m

COLOUR SHADES:

Lime white and in accordance with the KEIM Palette exclusiv.

White products can be tinted with decorative colour powder up to 7%. The colour shade may vary due to the absorbency of the substrate used or the number of successive coats. Make sure to create sample areas to determine the exact colour shade. Slight colour deviations in subsequent deliveries are possible given the nature of the material.

COMPOSITION:

Water, calcium hydroxide, calcium carbonates, titanium dioxide, natural carbohydrates, cellulose.

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:

The substrate must be load-bearing, dry, absorbent, clean and free of dust and grease. Repair defects of the same type and structure. Pre-treatment with descaling water is recommended for highly absorbent substrates. Pre-treat sanding substrates with KEIM Fixativ, diluted 1:3 with water. Sintered layers on new plasters should be removed with KEIM etching liquid. Well-bearing, organic old coatings, renovation plasters, poorly absorbent and very smooth substrates must be primed with KEIM Athenit-fondo on the entire surface. Substrates with hairline cracks or structural differences must also be pre-coated with KEIM Athenit-fondo. For a stronger slurry effect, mix KEIM Athenit-fondo with max. 10% KEIM Athenit-fino.

APPLICATION CONDITIONS:

Ambient and substrate temperature during application and drying must be ≥ 5 °C.

PREPARATION OF MATERIAL:

Stir up KEIM Athenit-forte thoroughly before application.

APPLICATION:

KEIM Athenit-forte can be painted, airless sprayed and also rolled in the white shade. Slightly moisten the substrate if necessary.

Prime coat: dilute with a little water or KEIM sintered lime water as required

Final coat: Apply KEIM Athenit-forte undiluted.

DRYING TIME:

Can be overcoated after 4 hours at the earliest (at 23 °C and 50% RH). At higher relative humidity, layer thicknesses and/or lower temperatures, drying is delayed accordingly. In case of penetrating substances, a longer standing time of approx. 24 -48 hours may improve the result. The full covering power is only achieved after complete drying.

CONSUMPTION:

approx. 0,35 kg/m² for two coatings.

These material consumption values are guide values for smooth substrates. Exact consumption values must be determined by means of test areas.

CLEANING OF TOOLS:

Clean immediately with water.

5. PACKAGING

Container content	Unit of measure	Quantity on pallet	Type of container
24	kg	24	bucket

6. STORAGE

max. storage time	Storage conditions
12 months	cool frost-free keep container tightly sealed.

7. DISPOSAL

For disposal information refer to section 13 of the safety data sheet.

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EC WASTE CODE:

Waste code: 08 01 11 *

8. SAFETY INSTRUCTIONS

Please, refer to the Material Safety Data Sheet.

GISCODE:

GIS code: BSW 60

9. GENERAL INFORMATION

Cover surfaces not to be treated, especially glass, ceramics and natural stone. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water.

Mixing with products not part of the system or other foreign additives is not permitted.

10. CERTIFICATES & QUALITY SEALS



The stated values and properties are the result of extensive development work and practical experience. Our recommendations for application, whether given verbally or in writing, are intended to provide assistance in the selection of our products and do not establish a contractual relationship. In particular, they do not release the purchaser and processor from the obligation to convince themselves of the suitability of our products for the intended application with due care, which is general practice in trade and crafts. The general rules of construction technology must be observed. We reserve the right to make modifications to improve the product or its application. This edition supersedes all earlier editions.