TECHNICAL DATA SHEET

KEIM TURADO 1.0

1. PRODUCT DESCRIPTION

KEIM Turado 1.0 is a universally applicable fibre-reinforced natural white renovation bonded plaster for interior and exterior use on a lime-cement basis. KEIM Turado 1.0 Corresponds to mortar group GP CS II according to DIN EN 998-1.

2. FIELD OF APPLICATION

KEIM Turado 1.0 can be used universally on load-bearing mineral substrates and old plasters of mortar groups CS II, CS III and CS IV, synthetic resin-bonded paints and plasters indoors and outdoors. KEIM Turado 1.0 is excellently suitable for covering and levelling load-bearing old plasters or paints in layer thicknesses up to approx. 12 mm; per layer as an embedding mortar for fabric reinforcement (e.g. with KEIM glass fibre mesh mat) and as an adhesive plaster on smooth concrete surfaces. KEIM Turado 1.0 is particularly suitable for felting.
Not suitable:
substrates with salt efflorescences; plasto-elastic coatings; saponifiable existing substrates; horizontal and inclined surfaces exposed to weathering

3. PRODUCT PROPERTIES

- very good adhesion
- very high degree of whiteness
- permeable
- very good stability
- universally applicable
- for interior and exterior use
- good application properties
- ideal felting behavior
- fire behaviour: non-flammable (A1)

MATERIAL CHARACTERISTICS:

– Maximum grain size	1.0 mm

CLASSIFICATION:

– Water absorption class	W1
– Standard Water absorption	DIN EN 1015-18
– Thermal conductivity λ10,dry,mat for P=50%	0.42 W/(mK)
– Thermal conductivity λ10,dry,mat for P=90%	0.89 W/(mK)
– Thermal conductivity Table value according to	DIN EN 1745
– Water vapour diffusion resistance value (μ-value)	≤ 15
– Compressive strength category	CS II (1,5 – 5,0 N/mm²)
– Standard compressive strength	DIN EN 1015-11
– Adhesive tensile strength	≥ 0,08 N/mm²

– Standard Adhesive tensile strength	DIN EN 1015-12
– Fracture pattern Adhesive tensile strength	A B
– Classification according to	DIN EN 998-1
– Plaster type	GP

COLOUR SHADES:
very bright natural white

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:
The substrate must be level, dry, sound, sufficiently absorbent and free from residues that impair adhesion; it must not be excessively absorbent. Separating substances, such as formwork oil residues on concrete surfaces, must be removed using suitable methods. Severe unevenness must first be levelled using a suitable material of the same type.

Non-suitable substrates:
substrates with salt efflorescences; plasto-elastic coatings; saponifiable existing substrates; horizontal and inclined surfaces exposed to weathering

APPLICATION CONDITIONS:
Ensure the ambient and substrate temperatures are ≥ 5 °C during application and drying. Do not apply in direct sunlight or onto substrates heated by the sun. Protect surfaces from direct sunlight, wind and rain during and after application.

PREPARATION OF MATERIAL / MIXING & CONVEYING:
Mix KEIM Turado 1.0 with approx. 6.1 L - 6.6 L (specification per bag) of clean water with a power stirrer to a stiff-plastic consistency without lumps and allow to mature briefly. Do not remix already stiffened material with water. Application can be performed by hand, via continuous mixer or rendering machine.

CONSUMPTION:
approx. 1,35 kg/m² per mm
The information on material consumption is a guide for smooth substrates. Exact consumption figures must be determined by carrying out test areas.

PROCESSING:
Apply mixed KEIM Turado 1.0 quickly with suitable tools in uniform layer thickness.

LAYERING SYSTEM:
Application in one or several layers, min. 3 mm and max. 12 mm layer thickness per layer.

REINFORCEMENT:
Apply KEIM Turado 1.0 evenly. Embed KEIM Glasfaser-Gittermatte (mesh), overlap 10 cm at the joints and overcoat wet-in-wet with KEIM Turado 1.0. Necessary cuts into the mesh are to be covered with an additional fabric strip. The system-specific KEIM Glasfaser-Gittermatte (mesh) should be placed in the upper third and fully embedded. In the corner area of building openings, additionally embed a KEIM Diagonalarmierung.

MOISTURE PROTECTION:

TOP COAT:
When using KEIM Turado 1.0 as a finishing coat, the surface may be textured with a sponge board once it has set sufficiently. Free-form texturing or washing in is also possible.

POST-TREATMENT:
KEIM Turado 1.0 must be protected from excessive water loss due to sun or wind and kept moist if necessary.

FINISHING:
Allow to stand before applying a coat.

SERVICE LIFE:
At least 1 day per mm of plaster thickness (depending on temperature and relative humidity). When used as a finishing plaster, allow at least 5 days' curing time before painting. (If the standard rule of 1 day per mm results in longer curing times due to the thickness of the layer, the longer curing time must also be observed before painting).

CLEANING OF TOOLS:
Clean tools, machines and mixers immediatley after use with water. In hardened state only a mechanical removal is possible.

5. PACKAGING

Container content	Unit of measure	Quantity on pallet	Type of container
25	kg	42	bag

6. STORAGE

Maximum storage time	Storage conditions
12 months	dry

7. DISPOSAL

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

Waste code: 17 01 01

8. SAFETY INSTRUCTIONS

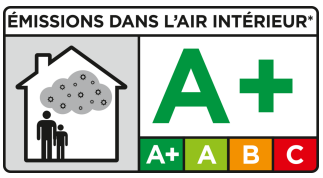
Refer to the safety data sheet.

GIS code: ZP 1

9. GENERAL INFORMATION

Cover surfaces not to be treated, particularly glass, ceramics and natural stone. Splashes on surrounding surfaces or traffic areas must be immediately diluted with plenty of water and removed.
Mixing with products from other systems or other external additives is not permitted.

10. CERTIFICATES & QUALITY SEALS



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