

PRODUCT

Description:	Tierrafino Kalk is a mineral lime plaster according to EN 998-1 for interior use. Kalk is a mortar group P I lime with a strength class CS I. Kalk can be applied onto brick walls according to EN 1996 1-1, as well as onto concrete and porous building blocks in one or two coats.
Composition:	Washed sand (particle size 0-1 mm), lime EN 459 „building lime“ and additives. Does not contain cement. Mix only with clean water.
Packaging:	25 kg bag.
Consumption:	17 kg/m ² at 10 mm thickness.
Storage advice:	Store dry and cool but free from frost.
Workability:	Dry Kalk can be kept 9 months after its date of manufacture. The date of manufacture is mentioned on the bag.
Color:	Tierrafino Kalk is light grey after drying.

AREA OF APPLICATION

A render coat for sufficiently load bearing walls and ceilings in the interior. Only applicable in the exterior where protected from direct contact with water. Suitable for humid rooms, do not apply where there is a chance of direct contact with water.

Suitable for plastering of load bearing, uneven, rough, flat and prepared substrates like brickwork, reed mats, gypsum- and lime plasters, concrete and dry wall systems.

After laying on, sponging or floating, Kalk is ready to be finished with a decorative finish. Kalk is vapour permeable, suitable for interior walls and ceilings in newly built- and old constructions.

PROPERTIES

- DIY/Professional
- Apply with hand tools or spray machine
- Water vapour permeable
- Humidity- and temperature regulating

APPLICATION

Circumstances:	The air- and substrate temperature must be at least 5°C.
Substrate:	Load bearing, continuously dry, absorbing, sufficiently rough to provide a mechanical key, free of dust and grease. Remove wallpaper and old paint. Prepare smooth substrates with Tierrafino Contact primer. Pre-moisten substrates before applying Kalk to provide better adhesion and acquire a longer workability.
Mixing:	Add 4,5 kg Kalk to 1 liter water and mix until a smooth paste is achieved.
Application:	Apply at a thickness of 5 – 15 mm with a metal trowel or spray. Level the surface with a feather edge. After a short time of setting, the surface is

floated to achieve a straight surface. Depending on the desired finish it is then sponged, floated more or smoothed with a trowel. After drying a decorative finish can be applied. Kalk can be applied with all usual plaster spray machines and can be transported on conveyors. Pre-moisten hose and set the machine to make a smooth paste. To prevent shrinkage cracks a cement- and alkaloid resistant mesh should be applied in the plaster, let adjacent mesh overlap min. 10 cm. Around windows and doors a mesh of 50x30 cm must be inserted diagonally in the plaster.

Finishing: Kalk is a vapour permeable lime plaster, it is a quickly absorbing and ideal substrate for Tierrafino Finish, Duro, I-Paint, T-Paint and Listro. When Tierrafino Kalk is dry, shortly brush the surface with a hand held coconut- or horse hair brush to knock off loose sand on the surface, before applying a decorative finish.

Drying time: Under normal circumstances (+20°C and 60% relative air humidity), Kalk must be dried 1 day per 1 mm. Do not accelerate drying by way of ventilation and heat.

Thinner: Water.

Safety advice: Avoid contact with eyes and mucous membranes. With induced risk (ceilings) wear safety goggles. Prevent inhalation of dust. Wear safety gloves, dust mask and safety goggles. In case of contact with eyes, immediately rinse eyes with plenty of water, with prolonging irritation consult a physician. Keep out of reach of children. For further information consult the Kalk Material Safety Data Sheet.

EXTRAS

Create veiled techniques by applying a mix of Fix, water and Pigment to the moist surface of Kalk with a sponge. Finish as written above.

TOOLS

Safety goggles, protective gloves, plasterer's tub, mixer, water spray, hawk, laying on trowel, feather edge, sponge float, plastic trowel, hand held brush, masking tape, suitable plaster spray machines: G4, G5, MP25, S28, P13, S5 & S30.

ASSISTING PRODUCTS

Tierrafino Contact primer, -Pigment, -Fix.

SUBSTRATE SHEET

SUBSTRATE	PREPARATION	MAX #mm
STONE		
Fired brick	Tierrafino Kalk	15 mm
Lime-Sandstone	Tierrafino Kalk	15 mm
Smooth bricks	Suitable primer	15 mm
Pumice stone	Tierrafino Kalk	15 mm
Concrete blocks	Apply Tierrafino Contact primer	15 mm
Concrete	Suitable primer	10 mm
EARTH		
Old earth walls	Apply Tierrafino Contact primer	10 mm
Adobe bricks	Apply Tierrafino Contact primer	15 mm
Rammed earth	Apply Tierrafino Contact primer	15 mm
Clay boards	Apply Tierrafino Contact + mesh reinforcement	10 mm
INSULATION PANELS		
HWL woodfibre boards	Apply Tierrafino Contact + mesh reinforcement	15 mm
PLASTER		
Lime plaster (old-)	Apply Tierrafino Contact primer	10 mm
SHEETROCK		
Sheetrock	Apply Tierrafino Contact primer	5 mm
Gypsum fibre boards	Apply Tierrafino Contact primer	5 mm



DISCLAIMER

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