

Description	Tierrafino Base serves as a render, skim coat and finish for interior use. It consists of sand, clay and possibly straw. Base is damp open and regulates air humidity. The more Base is applied in a room the greater the beneficial effects. Base is naturally anti-static. Base is easy to clean and repair. It is ideal for shaping ornaments because it can be applied 12 mm thick. Because of its pleasant warmth radiation it is often used in combination with in-wall heating.
Colors	Tierrafino Base is supplied in 3 versions: Base brown without straw, Base brown with straw and Base red with straw. The palet of colors can be extended by mixing with Tierrafino Finish or Tierrafino pigment .
Properties	Damp-open, heat regulating, low balanced humidity, humidity regulating, heat storage capacity, shortens sound reverberation. Only applicable for exterior surfaces that are protected sufficiently from rain. Base has a hardness comparable to lime plaster. Do not apply in areas where direct contact with water occurs. Do not use as a substrate for tiles in a wet area. Waste on site can be reused or thrown out in the garden. Base is 100% compostable. According to NEN 6069 TNO Netherlands, the fire resistance of 28 mm Base onto reed is 125 minutes.
Substrates	Load bearing, continuously dry, absorbing and free of dust and grease. Substrates must be sufficiently rough to provide a mechanical key. Remove sealing paints.
Circumstances	The air- and substrate temperature must be at least +5°C.
Mixing	Add 3,5-4 kg Base to 1 liter of water.
Application	Base can be applied by trowel or by a plaster spraying machine. Examples of machines are: G4, G5, MP25, S28, P13, S5 & S30.
Laying on	Apply the first coat 10 - 15 mm thick. Let set and level the surface with a feathered edge. If Base will be plastered over with Tierrafino Finish , leave Base to dry coarse by sponging it when still moist. When a clay paint is planned, Base can be troweled down to give a smooth surface or it can be given a fine coarse surface by repeating sponging during drying. Reinforce Base when applied onto seams between varying substrates. Always overlap adjacent reinforcement mesh with 10 cm. Use stainless steel plaster profiles to prevent rust.
Application 1: coarse finish	When Base has set somewhat (depending on the air and substrate 10 min. - 4 hours), rub the plaster in circular movements with a moist sponge. This will shape the surface and close the surface. Repeat to refine the surface.
Application 2: smooth finish	When Base has set somewhat (depending on the air and substrate 10 min. - 4 hours), rub the plaster in circular movements with a moist sponge. Then trowel the surface, pressing sand into the clay plaster.

Finishing	When Base is still humid the surface is carefully wiped down with a damp sponge. This will make individual sand particles visible in the surface. Then vigorously wipe the surface with a hand held coconut- or horse hair brush. This will create a wipe proof surface. Repeat when necessary. To enhance the strength of Base add Tierrafino fix to the sponge water.		
Consumption	17 kg/m ² at 10 mm thick.		
	Packaging	Coverage at 10 mm thick	Coverage at 15 mm thick
	25 kg Bag	1,6 m ²	ca. 1 m ²
	1000 kg Big Bag	60 m ²	40 m ²
	1200 kg Big Bag	70 m ²	46 m ²
Drying time	Under normal circumstances (+20°C en 60% air humidity), Base is dry between 4 hours and 7 days. Hardly drying circumstances: Dry Base rapidly by using a heater. Unlike regular plasters, Tierrafino Base may be dried fast. When using a gas heater with propellor place it at at least 2 meters from the wall. When applied with straw, Base must be dry within 1 week.		
Thinner	Water		
Workability	Base without straw, wet and dry, can be kept indefinitely. Dried out Base on the wall or in a tub/ bucket can be remixed with water. Rests of Base can be thrown out in the garden. Base with straw, mixed with water, must be dried within a week.		
Composition	Sand, clay and possibly straw. Does not contain a binder. Due to the natural character of earth pigments used, slight variations of color may occur between different batches of the same color.		
Safety measures	Avoid contact with eyes and mucous membranes. With induced risk (ceilings) wear safety glasses.		
Storage advice	Dry and cool.		
Packaging	25 kg bags, 1000 kg Big Bag, 1200 kg Big Bag and Silo's up to 15.000 kg.		
Technical data	Ingredients	Sand and clay	Sand, clay and straw
	Thermal conductivity	0,70 W/mk	0,65 W/mk
	Mass	1600 kg/m ³	1600 kg/m ³
	Shrinking coefficient	3,1%	3,1%
	Particle size	Base moist 0 - 4 mm	Base moist: 0 - 4 mm
		Base dry 0 - 1,8 mm	Base dry: 0 - 1,8 mm
	Thermal radiation capacity	1,85 W/m ² hK	1,85 W/m ² hK
	Thermal capacity	1 kJ/kgK	1 kJ/kgK
	Damp diffusion resistance	8 - 10	8 - 10
	Pressure strength	2,04 N/mm ²	1,02 N/mm ²
	Balanced humidity	2,5 - 4,5 %	2,5 - 4,5 %
	Construction class	A	A

Substrate sheet	Substrate	Preparation 1	Preparation 2	Max. coat Base
	Concrete, smooth bricks	Clean thoroughly	Apply contact primer	10 mm
	Sheetrock, plaster boards	Clean, cover seams with joint mesh and fill joints with filler.	Apply contact primer	5 mm
	New gypsum-, lime- and lime/cement plaster	Let each 1 mm of applied gypsum/lime dry 1,5 day	Apply contact primer	10 mm
	Masonry, reed rolls, wattle and daub, metal reinforcement	Clean thoroughly	Apply 10 - 15 mm Base once or twice	40 mm
	Adobe clay bricks			20 mm
	Clay boards	Press rough reinforcement mesh in the top third of 5 - 15 mm Base clay plaster		15 mm
	Rough, dry and old plaster without binder	Apply 10 - 15 mm Base once or twice		15 mm
	Lime- and chalk paints	Remove thoroughly	Apply contact primer	10 mm
	Loose plaster	Remove thoroughly	Apply contact primer	15 mm

Although this product description has been put together with utmost precision, Tierrafino will not be liable for any indirect or direct damage that may occur, by using the information offered in this product description.