

CONIFLOOR 150

Two Component, Conductive Epoxy Primer, for antistatic properties

Product description

CONIFLOOR 150 is a conductive, solvent-free, low viscosity, black pigmented, 2-component conductive water based epoxy primer.

Fields of application

CONIFLOOR 150 is used as a conductive layer (grounding) in our antistatic indoor flooring system CONIFLOOR IPS as or CONIFLOOR IES as or CONIFLOOR IES as sr, where anti-static properties are required.

Properties

CONIFLOOR 150 exhibits good adhesion to non-porous substrates (primer CONIFLOOR 110) and anti-static properties.

CONIFLOOR 150 is always top-coated with the conductive coating CONIFLOOR 420 AS or CONIFLOOR 430 AS.

Technical Data

Mixing ratio	in parts by weight		A: B	1 : 4
	in parts by volume		A: B	1 : 4,3
Density	mix, at 23 °C		g/cm ³	1.06
Viscosity	mix, at 23 °C		mPas	1333
Working time (25 kg working packs)	at 10 °C		min	60
	at 20 °C		min	30
	at 30 °C		min	15
Re-coating interval	at 20 °C	min.	h	12
		max.	h	48
Ready for foot traffic	at 10 °C		h	min. 24
	at 23 °C		h	min. 16
	at 30 °C		h	min. 12
Substrate and application temperature	minimum		°C	15
	maximum		°C	30
Max. permissible relative humidity			%	75
Tensile bond strength			N/mm ²	≥ 1.5

Above figures are guide values and should not be used as a base for specifications!

Application method

CONIFLOOR 110 is supplied in working packs which contain the correct proportions of component A (resin) and component B (hardener).

Mixing

Before mixing, precondition both A and B components to a [temperature](#) of approximately 15°C up to 25 °C.

Pour component B into component A and ensure that pail containing component B is emptied completely. Scrape the sides and the bottom of the pail several times to ensure

complete mixing. Do not mix by hand, [mix](#) with a [mechanical](#) drill and paddle at a very low speed (ca. 300 rpm) for [at 2 - 3 minutes](#). Keep the mixer blades submerged in the material to [avoid](#) introducing air [bubbles](#). Do not work out of the original drum / pail.

After proper mixing to a homogeneous consistency pour the mixture into a [fresh pail](#) and mix for another minute.

CONIFLOOR 150 should be applied when the ambient temperature is constant or falling as this will decrease the risk of bubble formation due to evaporation of air that is enclosed in the concrete.

CONIFLOOR 150 is applied to the prepared substrate by rolling.

Consumption

The consumption of CONIFLOOR 150 used as conductive primer is between 0.11 - 0.12 kg/m².

If the substrate temperature is 18°C or below, the dilution with water up to 5 % by weight is possible.

Important:

Unevenness >0.5mm of the substrate must be equalized by an additional scratch coat. For additional filling of CONIFLOOR 110 fire dried silica sand grain size 0.1-0.3mm is recommended. For this see also the technical data sheet to CONIFLOOR 110 and the system data sheets of CONIFLOOR IPS as, CONIFLOOR IES as und CONIFLOOR IES as sr.

Temperatures

The working life and curing time of the material is influenced by the ambient, material and substrate temperatures. At low temperatures, the chemical reactions are slowed down; this lengthens the pot life, open time and curing times. High temperatures speed up the chemical reactions thus the time frames mentioned above are shortened accordingly.

To fully cure the material, substrate and application temperature should not fall below the minimum.

After application, the material should be protected from direct contact with water for approx. 24 h (at 20° C). Within this period, contact with water can cause a surface bloom and/or surface tackiness, both of which must be removed else the adhesion to the following coating is impaired.

Cleaning agent

Re-usable tools should be cleaned carefully with CLEANER 44 or e.g. isopropanol.

Substrate condition

All substrates (new and old) must be structurally sound, dry and free of laitance and loose particles. Clean floors of oil, grease, and rubber skid marks, paint stains and other adhesion impairing contaminants.

A pre-treatment of the substrate by grit or shot blasting, high pressure water jetting, grinding or scabbing including the necessary post-treatment is only necessary, when the layer is soiled or the re-coating intervals have been exceeded.

After surface preparation the tensile strength of the concrete should exceed 1.5 N/mm² (check with an approved pull-off tester at a load rate of 100 N/s).

The moisture level of the sub-base needs to be less than 4 %.

The temperature of the substrate must be at least 3 °C above the current dew point temperature.

There must be a regular D.P.M (damp proof membrane) between the stone base and the slab.

Pack size

CONIFLOOR 150 is supplied in 10 kg working packs.

Colour

Comp. A is transparent, comp. B is black

Storage

Store in original closed packing under dry conditions at a temperature range of 15 - 25 °C.

Do not expose the drums to direct sunlight.

Please check "best-before" date on the pail before usage.

Safety precautions

CONIFLOOR 150 is non-hazardous in its cured condition.

For protective measures, transport regulations and waste management please refer to the Material Safety Data Sheet of the product.

VOC Contents

CONIFLOOR 150 meets the requirements of the EC directive 2004/42/EC.



CE-Label:

See Declaration of Performance