

# CONIFLOOR 570 C

**Two part EP resin, self-levelling, highly pigmented, hard, solvent free, low emission, for self-levelling or thin layer roller coating and top coats**

## Product description

CONIFLOOR 570 C is a two component, solvent free, highly pigmented, epoxy self-levelling and roller coating for smooth surfaces.

## Fields of application

CONIFLOOR 570 C is used as a thin layer roller coating and as fillable self-levelling coating on mineral substrates primed with CONIFLOOR 110 or 116LE for indoor floors with low to medium mechanical stress. Furthermore, it can be used as top coat on with quartz sand broadcasted coatings.

## Properties

CONIFLOOR 570 C exhibits high mechanical properties and is easy to apply.

CONIFLOOR 570 C is easy to clean and resistant to water, sea and waste water, a variety of alkaline substances, diluted acids, brine, mineral oils, lubricants and fuels.

The yellowing, which occurs when CONIFLOOR 570 C is exposed to UV light, does not affect its mechanical properties.

CONIFLOOR 570 C is used in the systems

- CONIFLOOR IEL / IEL SR
- CONIFLOOR IES / IES SR
- CONIFLOOR IPS SR

and other systems.

## Technical Data

<b>Mixing ratio</b>	in parts by weight			100 : 25
<b>Density</b>	mix,	at 23 °C	g/cm <sup>3</sup>	1.39
<b>Viscosity</b>	mix,	at 23 °C	mPas	1400
<b>Pot Life</b>	at 20 °C			min. approx.. 25
<b>Re-coating interval / ready for foot traffic</b>	at 20 °C			minimum h 12
				maximum h 48
<b>Substrate and application temperature</b>	minimum			°C 10
	maximum			°C 30
<b>Permissible relative humidity</b>	maximum			% 75
<b>Ready for</b>	<b>mech. stress</b>	at 20 °C	d	3
	<b>light mech. stress</b>	at 20 °C	d	1
	<b>chem. stress</b>	at 20 °C	d	7
<b>Shore D hardness</b>	after 28 d			82

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

## Application method

CONIFLOOR 570 C is supplied in the correct proportions of component A (resin) and component B (hardener).

Pour component B into component A and ensure that the pail containing component B is emptied completely.

To achieve a homogenous mix, thoroughly mix with a slowly rotating mixing device at about 300 rev/min. Ensure that the mixing device reaches side and bottom areas of the mixing vessel. The mixing process takes at least 3 minutes and should be performed until the blend is homogenous and streak free.

Pour the mix into another clean pail and mix it again for 1 additional minute.

The temperature of the components should be between +15 - +25°C.

CONIFLOOR 570 C can then be applied directly to the pre-treated substrate (non-broadcast CONIFLOOR 110 or 116LE). CONIFLOOR 570 C should be applied by squeegee working crosswise and finished off lengthwise using a lint-free paint roller.

The ambient and substrate temperature influences working life and curing time of CONIFLOOR 570 C. At low temperatures, the chemical reactions are slowed down; this lengthens the pot life, re-coating interval and open time. High temperature and humidity accelerate chemical reactions so the contrary is true.

To fully cure the material, the substrate and working temperature must not fall below the minimum.

#### Consumption for roller coating:

The consumption rate of CONIFLOOR 570 C is 0.3 to 0.4 kg/m<sup>2</sup> for each coat.

#### Consumption for self-levelling

The consumption rate of CONIFLOOR 570C for a layer of 2.00 mm thickness is 1.9 kg/m<sup>2</sup> CONIFLOOR 570 C and 1.5 kg/m<sup>2</sup> oven-dried quartz sand with a grain size of 0.1-0.3 mm. The mixing ratio of binder : quartz sand can be 1:0.3 up to 1:0.8

#### Substrate condition

Cement bound substrates to be coated must be firm, dry, load bearing and free of loose and brittle particles and substances, which impair adhesion such as oil, grease, rubber skid marks, paint or other contaminants.

A pre-treatment of the substrate by grit or shot blasting, high pressure water jetting, grinding or scabbling including the necessary post-treatment is mandatory.

After the pre-treatment the bond strength of the concrete must be at least 1.5 N/mm<sup>2</sup>.

The moisture level must not exceed 4 %.

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

The sub base must contain a moisture barrier (damp proof membrane D.P.M.).

CONIFLOOR 570 C is applied on the pre-treated and primed sub-base. Re-usable tools should be cleaned carefully with CLEANER 44 or e.g. isopropanol.

After application, the material should be protected from direct contact with water for approx. 24 hours (at 15 °C). Within this period, contact with water can cause carbamate and/or tackiness on the surface of the coating.

The relative humidity level may not exceed 75%.

After the pre-treatment, the bond strength of the concrete must be at least 1.5 N/mm<sup>2</sup>. For the rest the sections of the requirements concerning substrates to be coated shown in the according guidelines apply.

#### Pack size

CONIFLOOR 570 C is supplied in 10 kg and 25 kg (metal) working packs. Components A and B are supplied in the correct proportions and delivered separately.

#### Colour

Standard stock colours: ca. RAL 7037, Goosewing Grey (BS 00 A 05) or RAL 7035 (grey) further colours upon request.

#### Storage

Store in unopened pails under dry conditions at a temperature range of 15 until 25 °C.

Do not expose to direct sunlight.

Before use, please see "best before" date on the pail / drum

#### Safety precautions

CONIFLOOR 570 C 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 570 C meets the requirements of the EC directive 2004/42/EC.



#### CE-Label:

See Declaration of Performance.