

EP-ACCELERATOR 110

Solvent-free, amine accelerator for CONIFLOOR epoxy resin

Product description

EP-ACCELERATOR 110 is a [solvent-free](#), amine [accelerator](#) for following named CONIFLOOR [epoxy coatings](#).

Fields of application

By adding the EP accelerator 110, the drying and curing times of the CONIFLOOR epoxy resins mentioned below can be reduced. [However, processing times are also reduced](#). No preliminary tests have been carried out for other products not listed here. It is therefore not suitable, as incompatibility cannot be ruled out.

Properties

EP-ACCELERATOR 110 is a yellowish to brownish liquid which, due to its low viscosity, can be easily mixed into the CONIFLOOR EP resins.

The [technical properties](#) such as impact strength, crack bridging and above all [UV and colour stability](#) are [negatively influenced or reduced](#).

Processing

Pay attention to suitable protective equipment when working (see also personal protective equipment).

The [EP Accelerator 110 is added to the already mixed epoxy resins \(parts A + B\)](#) in the recommended amount [and mixed well](#). Then repot the material in a second clean container and mix again according to the respective processing instructions for the epoxy resin that is being processed.

The accelerated system can be applied unfilled or filled (up to the maximum filling level of the respective product). The maximum filling level of the accelerated CONIFLOOR epoxy resin product depends on the amount of accelerator and the material and ambient temperature and can only be determined on site, e.g., using a sample area. In the case of adding high doses of EP Accelerator 110, we recommend avoiding an additional filling of the epoxy resin.

[Consistent addition of EP Accelerator 110 must be guaranteed](#) on contiguous surfaces, otherwise slight shades of colour will result.

When using EP accelerator 110, there is an increase in reactivity, because of which the curing times, but also the processing times, are shortened. When used in self-levelling coatings, but also in top coats or roller coatings, visible spiked marks or rolling approaches can [occur if spiked rollers or paint rollers are used too late for de-aeration and re-rolling](#). These work steps are to be scheduled accordingly in the workflow.

Working temperatures

Substrate, material, and air:

At least 8 °C, max. 25 °C

Higher temperatures and larger batches reduce working time; lower temperatures increase working time. Only for use in indoor area

Technical Data

Density	at 23 °C	g/cm ³	ca. 0.97
Viscosity	at 23 °C	mPas	ca. 80
Flashpoint		°C	> 150
Solubility	in water in organic solvent	g/l g/l	< 1 ∞
<i>Above figures are guide values and should not be used as a base for specifications!</i>			

Suitable products

CONIFLOOR EP 110

When accelerating the CONIFLOOR EP 110 primer, it must be considered that there is a risk of blistering or adhesion problems in the event of overdosing, as there is insufficient de-aeration and wetting time. No preliminary tests have been carried out for use on surfaces with rising water or with increased residual moisture.

CONIFLOOR EP 110

Addition of EP Accelerator 110	Temperature		
	8°C	15°C	RT
	Re-coating after		
without	≥30 h	≥24 h	≥12 h
+ 2 %	≥20 h	≥12 h	≥6 h
+ 3 %	≥15 h	≥10 h	≥5 h
+ 4 %	≥12 h	≥8 h	≥4 h

Values relate to air, floor, and material temperature.

CONIPROOF EP 190/1

When accelerating the CONIPROOF EP 190/1 primer, it must be considered that there is a risk of blistering or adhesion problems in the event of overdosing, as there is insufficient de-aeration and wetting time. No preliminary tests have been carried out for use on surfaces with rising water or with increased residual moisture.

CONIPROOF EP 190/1

Addition of EP Accelerator 110	Temperature		
	8°C	15°C	RT
	Re-coating after		
without	≥30 h	≥24 h	≥12 h
+ 2 %	≥20 h	≥12 h	≥6 h
+ 3 %	≥15 h	≥10 h	≥5 h
+ 4 %	≥12 h	≥8 h	≥4 h

Values relate to air, floor, and material temperature.

CONIFLOOR EP 430

When accelerating the self-levelling coating or the broadcasted wear coat CONIFLOOR EP 430, it must be considered that overdosing can lead to trowel marks or spike-roller marks, depending on the filling level and on the material and surface temperature. [We recommend not using additional fillers if a high accelerator doses is used.](#)

The use of the accelerator has a negative effect on the UV and colour resistance.

CONIFLOOR EP 430

Addition of EP Accelerator 110	Temperature		
	8°C	15°C	RT
	Ready for pedestrian traffic / recoating time after		
without	≥30 h	≥24 h	≥14 h
+ 2 %	≥16 h	≥12 h	≥8 h
+ 3 %	≥14 h	≥11 h	≥6,5 h
+ 4 %	≥12 h	≥8,5 h	≥5 h

Values relate to air, floor, and material temperature.

CONIFLOOR EP 570 C

When accelerating the roller coat or top coat on broadcasted wear coats CONIFLOOR EP 570 C, it must be considered that overdosing can lead to trowel marks, roller, or spike-roller marks, depending on the filling level and on the material and surface temperature. [We recommend not using additional fillers if a high accelerator doses is used.](#)

The use of the accelerator has a negative effect on the UV and colour resistance.

CONIFLOOR EP 570 C

Addition of EP Accelerator 110	Temperature		
	8°C	15°C	RT
	Ready for pedestrian traffic / recoating time after		
without	≥30 h	≥24 h	≥14 h
+ 2 %	≥16 h	≥12 h	≥8 h
+ 3 %	≥14 h	≥11 h	≥6,5 h
+ 4 %	≥12 h	≥8,5 h	≥5 h

Values relate to air, floor, and material temperature.

Accessibility means that the accelerated coatings can be used easily e.g., by light pedestrian traffic or for re-coating works.

The measured values were determined with conditioned materials under conditioned ambient temperatures in laboratory batches and may deviate from practice values on site. A Shore-D hardness > 40 in the filled coating system was used as a basis for mechanical loading capacity.

Note: The use of EP accelerator 110 in other here not named products is exclude by CONICA.

Addition amount

The required addition amount of EP accelerator 110 depends not only on the product to be accelerated, but also on the temperature and air humidity and, in case of doubt, must be determined by a project test.

Pack size

5 kg tin container

Colour

Yellow to brown

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 110 with the addition of EP-ACCELERATOR 110 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 Content

CONIFLOOR 110 meets the requirements of the EC directive 2004/42/EC.