

CONIFLOOR EP MASTIC / rapid

Two-part-EP repair and fillet mastic and adhesive for bonding concrete and metal parts, (total solid), thixotropic

Product description

CONIFLOOR EP MASTIC / rapid is a two-component, thixotropic and fillable compound based on epoxy resin, "Total Solid according to test methods of the Deutsche Bauchemie e.V."

Fields of application

CONIFLOOR EP MASTIC / rapid is used for creating skirtings or as a repair compound for filling construction joints (no expansion joints), cracks or small holes, as well as for gluing concrete parts or metal parts such as flooring rails or the like. The surfaces must be prepared in advance with a suitable primer. The "rapid" variant is a fast-curing version.

Properties

CONIFLOOR EP MASTIC / rapid is thixotropic in the A and B components and is characterized by a pore-closed surface when used as a fillet or repair compound, so that an additional work step with a pore filler is not necessary. CONIFLOOR EP MASTIC rapid is the fast-curing variant that allows for quick reworking.

Technical data

			CF EP MASTIC	CF EP MASTIC rapid
Mixing ratio	in parts by weight		100 : 35	100 : 38
Density	mix, at 23°C	g/cm ³	1,5	1,5
Viscosity	mix, at 23°C	mPas	thixotropic	thixotropic
Processing time	at 23 °C	min	20	10 – 12 Attention pot life ca. 7
Substrate and application temperature	minimal maximum	°C °C	10 30	10 25 !
Reworkability (without sanding)	at 20 °C minimal maximum	h h	12 24	3 18
Full load capacity mechanical	at 20°C	d	7	3
Permissible relative humidity	maximum	%	80	80
Shore D hardness	after 28 d		≥75	≥75
Adhesive tensile strength	DIN ISO 4624	N/mm ²	≥1,5	≥1,5
<i>Above figures are guide values and should not be used as a base for specifications!</i>				

Application method

Please also [note the information in our general processing guidelines](#).

CONIFLOOR EP MASTIC / rapid is supplied in the right ratio of component A (resin) and component B (hardener)

Mixing

Before mixing, the A component must be stirred by machine, then the B component is added to the container of the A component.

Care must be taken to ensure that the B component runs out completely, carefully scraping out the container with a filler.

To achieve a homogeneous consistency and intensive mixing, the two components must be thoroughly mixed with a slow-running agitator at approx. 300 rpm.

The bottom and edge areas of the mixing vessel must also be recorded.

The mixing process must be carried out for about 2-3 minutes until it is homogeneous, streak-free.

Then repot in a second, clean container and mix again for about 1 minute to avoid mixing errors.

Especially for the [CONIFLOOR EP MASTIC rapid variant](#), we [recommend removing](#) partial quantities and mixing small quantities [due to the short pot life](#).

The temperature of the two components should be between 15 and 25°C during the mixing process.

[For use as a fillet and for filler work in higher layer thicknesses](#), CONIFLOOR EP MASTIC / rapid can be filled up to 100% with quartz sand 0.1-0.3 mm.

After mixing, the ready-to-fill compound is applied with a cove trowel or a filler for application as a cove or triangular wedge on a previously prepared and primed substrate. To fill section joints, cracks or small defects, use a putty knife or metal trowel.

Consumption

As a guideline, the material consumption for [coves is approx. 250 – 350 g/m for a 30 mm radius, and approx. 450 – 550 g/m for a 50 mm radius](#). In case of doubt, the consumption must be determined on site.

For the filling of joints, cracks and defects, the consumption must be determined on site, but this also depends on the surface condition as well as the covering, material and ambient temperature.

We recommend lightly sanding [both the cove and the filled surfaces with quartz sand 0.1-0.3 or 0.3-0.8 mm](#) to ensure a good adhesion to the subsequent coatings, especially when reworking with polyurethane resins. Alternatively, the coves or filled surfaces must be sanded over and vacuumed again.

Temperatures

Both the processing time of CONIFLOOR EP MASTIC / rapid and the curing are largely determined by the temperature of the material, substrate and environment. At low temperatures, the chemical reactions are generally delayed; this also extends the pot, walkability and rework times. Conversely, at high temperatures, chemical reactions are accelerated, so that the times mentioned above are shortened accordingly.

For the complete curing of CONIFLOOR EP MASTIC / rapid, the average temperature of the substrate must not fall below the lowest processing or object temperature.

In addition, the material must be protected from direct water exposure for at least 24 hours (at 20 °C) after application. Within this time, the effect of water on the surface can cause white discoloration (carbamate formation) and/or stickiness, which significantly impairs the adhesion to the subsequent coating and must therefore be removed if necessary.

Cleaning agent

At the end of the work and in the event of work interruptions, all equipment intended for reuse must be cleaned with CLEANER 45 or suitable commercially available solvents (e.g. butyl acetate).

Under no circumstances should water or alcoholic solvents be used as cleaning agents.

Substrate condition

The substrates must be firm, dry, fine-grip and load-bearing, free of cement glue layers, loose and crumbly parts as well as separating substances such as oil, grease, rubber abrasion, paint residues or the like.

Before and during the processing of coatings, the use of silicone-containing or other reaction-disrupting substances must be excluded.

Before and during the processing of coatings, the use of silicone-containing or other reaction-disrupting substances must be excluded.

Substrate pre-treatment is preferably carried out by dust-free shot blasting, if necessary by milling and subsequent shot blasting or diamond grinding with final suction of the surface to be coated.

The substrate to be coated must have an average adhesive tensile strength of at least 1.0 N/mm² (Detection e.g. with Herion device, pull speed 100 N/s).

The [residual moisture](#) in the substrate must [not exceed 4%](#).

The [substrate temperature](#) must be at least 3 °C above the prevailing dew point temperature.

The substrate to be coated must be secured against rising damp (pressing water).

Pack size

The delivery of CONIFLOOR EP MASTIC / rapid is carried out in container units of

18 kg CONIFLOOR EP MASTIC
18,3 kg CONIFLOOR EP MASTIC rapid

A and B components are filled in separate containers in the coordinated mixing ratio.

Tint

beige

Storage

Well-sealed original containers should be stored in a dry place in a temperature range of 15 to 25 °C.

Direct sunlight and falling below the storage temperature must be avoided.

Before use, the best-before date stated on the containers must be checked.

Physiological behaviour / protective measures

When cured, CONIFLOOR EP MASTIC / rapid is physiologically harmless.

The protective measures required during processing, as well as transport regulations and disposal instructions, can be found in the product's safety data sheets.

VOC content marking

CONIFLOOR EP MASTIC / rapid meets the requirements of the EU Directive 2004/42/EC.

The limit value for products in the ready-to-use state (product type according to Table IIA j Type Lb) is: Stage II (from 2010) < 500 g/l VOC.

This product contains less than 500 g/l of VOC when ready for use.

Warnings

Information on hazard statements and the GIS CODE can be found in the Safety Data Sheets (MSDS).



CE marking:

See Declaration of Performance

CONICA AG
Industriestrasse 26
8207 Schaffhausen
Schweiz

Tel.: + 41 52 644 600
Fax: + 41 52 644 3699
info@conica.com
www.conica.com

Der Inhalt dieses Merkblattes ist unverbindlich. Im Hinblick auf die Vielfalt der Untergründe und Objektbedingungen einerseits, sowie andererseits aufgrund der Tatsache, dass Anwendung und Verarbeitung dieses Produktes ausserhalb unseres Einflusses liegen, wird der Käufer und/oder Anwender nicht von der Verpflichtung entbunden, dieses Produkt in eigener Verantwortung auf dessen Eignung für den vorgesehenen Verwendungszweck prüfen. Unsere Beratung in Wort, Schrift und durch Versuche ist dabei unverbindlich.

Mit dem Erscheinen dieser Ausgabe sind alle vorangegangenen Informationen zu diesem Produkt als nicht mehr aktuell anzusehen. Da die Datenblätter regelmässig aktualisiert werden, obliegt es der Verantwortung des Verarbeiters, die aktuelle Version vorliegen zu haben. Registrierte Benutzer können zu jedem Zeitpunkt aktuelle Datenblätter von unserer Homepage herunterladen. Auf Wunsch senden wir Ihnen diese auch gerne zu.