

Plastifloor® mortar 050F/051(GB)

Synthetic resin mortar-system
for extremely loaded areas, runway repairs

PLASTI CHEMIE
Produktionsgesellschaft mbH

Application: Plastifloor® 050F/051 is a high-quality mortar-system for heavily-loaded surfaces. The mortar is applied in a layer thickness from 5 to 100 mm and as repair-mortar for hole on runways.

Properties: Plastifloor® 050F/051 is a 2-component mortar based on methacrylic resin that already contains the necessary filler and hardener. Plastifloor® 050F/051 mortar for a layer thickness 100 mm can be processed up to -35 °C , for a layer thickness from 5 to 10 mm can be processed up to -25 °C and is fully mechanically and chemically chargeable after **1 to 3 hours**.

Packing: Mortar consists of comp. A (liquid), Plastifloor 050F and comp. B (powder) Plastifloor 051

Characteristics:

Delivery form	Plastifloor® 050F	liquid
	Plastifloor® 051	powder/filler
Compression strength	DIN EN 196-1	~ 95 N/mm ²
Bending strength	DIN EN 196-1	~ 20 N/mm ²
Thermal dilatation	VDE 0304	~ $33 \cdot 10^{-6}\text{ K}^{-1}$
Shelf life, at $< 77\text{ °F}$ (25 °C) dry and cool	– 6 months minimum	

Processing hints:

After appropriate substrate preparation, 2.75 kg Plastifloor® 050F (= hardener) and 25 kg Plastifloor® 051 (= powder) are being mixed together intensely (mixing time is about 2-3 minutes) according to the required processing texture. The viscous mortar is then directly applied on the surface that has been primed with Plastifloor 112 and is being equally levelled with a smoothing trowel. Processing time at 20 °C is about 10 to 15 minutes. Curing takes about 1 to 1.5 hours. Plastifloor® 050F/051 can be thickened with Plastifloor 540/H (e.g. for coves). Prior to additional coating, Plastifloor® 050F/051 must be primed with Plastifloor 112 or 118. For layer thicknesses of more than 10 mm, the mortar can additionally be slimmed with fillers – size 2.0 to 4.0 mm and/or 4.0 to 8.0 mm and/or 8.0 mm to 16.0 mm.

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Mixing:



Mix the mortar with an agitator. Put comp. A + B into a 30l pail and mix thoroughly for 2 minutes- done.

Standard values:	a) Standard quantity	2.75 kg	Plastifloor® 050F
		25.00 kg	Plastifloor® 051
	b) with grain mix 2 – 8 mm	2.75 kg	Plastifloor® 050F
	25.00 kg	Plastifloor® 051	
		6.00 kg	filler 2 – 8 mm
	c) with grain mix 2- 16 mm	2.75 kg	Plastifloor® 050F
		25.00 kg	Plastifloor® 051
		6.00 kg	filler 2 – 4 mm
		9.00 kg	filler 4 – 8 mm
		10.00 kg	filler 8 – 16 mm

Examples:



Liquid texture or mortar-like texture are individually adjustable

Material consumption:

5 mm mortar coat Plastifloor® 050F/051	~ 10 kg/m ²
10 mm mortar coat Plastifloor® 050F/051	~ 20 kg/m ²
from 10 mm mortar coat Plastifloor® 050F/051 with 2 mm to 8 mm filler mixtures	~ 22 kg/m ²

Thicker layers can be achieved by repeated application, in order to avoid tensions in the mortar!

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System for low temperatures:

The mortar system 050F/51 is also available in a special blend that is suitable for processing at temperatures below - 25°C (repairs in cold stores for example or on runways at frost in exterior areas).

The substrate should always be dry and ice-free!

Please ask for more information if required.

Hints:

Only continue coating works after complete curing of the previous layer.

Storage:

Methacrylic resins are subject to the handling regulations for highly flammable materials. Plastifloor® resins are to be stored cool and protected against direct sunlight, preferably at temperatures of 15-20 °C. Prior to processing, thoroughly stir up the material. Store the dry mixture as well as fillers dry. Please mind the indications in the safety data sheets!

VbF (050): A I

GISCODE (050): RMA 10

Taxnumber (050): 3208 2010 **(051):** 2505 1000

data concerning our products and devices as well as concerning our data and procedures are based on an extensive research work and an application technology experience. We obtain these results, with which we do not take over adhesion going beyond the respective single contract, in word and writing after best knowledge, reserve ourselves we however technical changes in the course of the product development. Beyond that our application technology service stands when desired for large consultation as well as for co-operation with the solution manufacturing and application technology problems for order. That does not relieve the user however to examine our data and recommendations before their use responsible for the own use. That applies - particularly for deliveries to foreign markets - also regarding the keeping of patent rights third as well as for applications and procedures, which are not expressly in writing indicated by us. The case of loss our adhesion is limited to indemnifications of same extent, as they plan our general terms of delivery and sales with lack of quality.

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