

Plastifloor® mortar 050/051(GB)

Synthetic resin mortar-system
for extremely loaded areas

PLASTI CHEMIE
Produktionsgesellschaft mbH

Application: Plastifloor® 050/051 is a high-quality mortar-system for heavily-loaded surfaces. The mortar is applied in a layer thickness from 5 to 10 mm and as repair-mortar for holes.

Properties: Plastifloor® 050/051 is a 2-component mortar based on methacrylic resin that already contains the necessary filler and hardener. Plastifloor® 050/051 mortar can be processed up to $-10\text{ }^{\circ}\text{C}$ and is fully mechanically and chemically chargeable after **1 to 3 hours**.

Packing:



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

Characteristics:

Delivery form	Plastifloor® 050	liquid
	Plastifloor® 051	powder/filler
Compression strength	DIN 1164	$\sim 95\text{ N/mm}^2$
Bending strength	DIN 1164	$\sim 20\text{ N/mm}^2$
E-module	DIN 53457	$\sim 6800\text{ N/mm}^2$
Thermal dilatation	VDE 0304	$\sim 33 \cdot 10^{-6}\text{ K}^{-1}$
Shelf life, at $< 25\text{ }^{\circ}\text{C}$ dry and cool	– 6 months minimum	

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Processing hints:

After appropriate substrate preparation, 2.5 kg Plastifloor® 050 (= hardener) and 25 kg Plastifloor® 051 (= powder) are being mixed together intensely (mixing time is about 2 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 distributed with a smoothing trowel. Processing time at 20 °C is about 10 to 15 minutes. Curing takes about 1 to 1.5 hours. Plastifloor® 050/051 can be thixotropied with Plastifloor 540/H (e.g. for coves). Prior to additional coating, Plastifloor® 050/051 must be primed with Plastifloor 112. For layer thicknesses of more than 10 mm, the mortar can additionally be slimmed with fillers – size 2.0 to 4.0 mm or 4.0 to 8.0 mm.

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	2.5 kg	Plastifloor® 050
		25.00 kg	Plastifloor® 051
	b) with grain mix 2 – 8 mm	2.5 kg	Plastifloor® 050
		25.00 kg	Plastifloor® 051
		6.00 kg	filler 2 – 8 mm

Examples:



Liquid texture or mortar-like texture are individually adjustable

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Material consumption:

5 mm mortar coat Plastifloor® 050/051	~ 10 kg/m ²
10 mm mortar coat Plastifloor® 050/051	~ 20 kg/m ²
from 10 mm mortar coat Plastifloor® 050/051 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!

System for low temperatures:

The mortar system 050/51 is also available in a special blend that is suitable for processing at temperatures below -10°C (repairs in cold stores for example or frost in exterior areas). (Plastifloor 050/051 T)

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!

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