

Plastifloor® mortar 050/051(USA)

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 14 °F 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	~ 95 N/mm ²
Bending strength	DIN 1164	~ 20 N/mm ²
E-module	DIN 53457	~ 6800 N/mm ²
Thermal dilatation	VDE 0304	~ 33·10 ⁻⁶ K ⁻¹
Shelf life, at < 77 °F dry and cool	– 6 months minimum	

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Processing hints:

After appropriate substrate preparation, 5.51 lbs Plastifloor® 050 (= hardener) and 55.11 lbs 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 68 °F 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	5.51 lbs	Plastifloor® 050
		55.11 lbs	Plastifloor® 051
	b) with grain mix 2 – 8 mm	5.51 lbs	Plastifloor® 050
		55.11 lbs	Plastifloor® 051
		13.23 lbs	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	~ 220 lb/ft ²
10 mm mortar coat Plastifloor® 050/051	~ 440 lb/ft ²
from 10 mm mortar coat Plastifloor® 050/051 with 2 mm to 8 mm filler mixtures	~ 480 lb/ft 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 14 °F (repairs in cold stores for example or rat 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 59-68 °F. 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!

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.