

Plastifloor® mortar 050/051 (USA)

Synthetic resin mortar-system
for extremely loaded areas

PLASTI CHEMIE
International GmbH

Application: Plastifloor® 050/051 is a high quality mortar system for heavy duty surfaces. The mortar is applied in a layer thickness of 2-4 mm (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 applied down to 14°F (-10 °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:
Processing**

Property	Measuring method	Approx. value
Compression strength	DIN 1164	~ 95 N/mm ²
Bending strength	DIN 1164	~ 20 N/mm ²
E-Modul	DIN 53457	~ 6800 N/mm ²
Thermal dilatation	VDE 0304	~ 33 · 10 ⁻⁶ K ⁻¹
Water absorption, 4 days	DIN 53 495	0 mg
Delivery form Plastifloor® 050	liquid	
Delivery form Plastifloor® 051	powder/filler	
Shelf-life	dark at < 68 °F 6 months minimum	

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Notes:

After appropriate preparation of the substrate, 5.51 lb (2.5 kg) of Plastifloor® 050 (hardener) and 55.12 lb (25 kg) of Plastifloor® 051 (= powder) are mixed intensely (mixing time approx. 2 minutes) according to the required processing texture. The viscous mortar is then applied directly onto the surface that has been primed with Plastifloor® 112 and evenly distributed with a smoothing trowel. The working time at 68 °F (20 °C) is about 10 to 15 minutes. Curing time is approx. 1 to 1.5 hours. Plastifloor® 050/051 can be thixotropic with Plastifloor® 540/H (e.g. for coves). Prior to additional coating, Plastifloor® 050/051 must be primed with Plastifloor® 112 before applying the next coat. For layer thicknesses of more than 2 mesh (10 mm), the mortar can be additionally thinned with fillers – size 5-10 mesh (2.0 to 4.0 mm) or 3-5 mesh (4.0 to 8.0 mm).

Mixing:



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

Standard values:

Standard quantity	5.51 lb (2.5 kg)	Plastifloor® 050
	55.12 lb (25.00 kg)	Plastifloor® 051
with grain mix 3-10 mesh (2 - 8 mm)	5.51 lb (2.5 kg)	Plastifloor® 050
	55.12 lb (25.00 kg)	Plastifloor® 051
	13.23 lb (6.00 kg)	filler 3-10 mesh (2-8 mm)

Examples:



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Liquid texture or mortar-like texture are individually adjustable

Material consumption/mesh:

4 mesh (5 mm) mortar coat Plastifloor® 050/051	~ 2.1 lb/ft ² (10 kg/m ²)
2 mesh (10 mm) mortar coat Plastifloor® 050/051	~ 4.1 lb/ft ² (20 kg/m ²)
from 2 mesh (10 mm) mortar coat Plastifloor® 050/051 with 3-10 mesh (2 to 8 mm) filler mixtures	~ 4.5 lb/ft ² (22 kg/m ²)

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

System for low temperatures:

The 050/51 mortar system is also available in a special mixture that is suitable for use at temperatures below 14°F (-10°C) (repairs in cold stores, for example, or rat frost in exterior areas). (Plastifloor® 050/051)

The surface should always be dry and free of ice!

Please contact us for more information.

Hints:

Do not recoat until the previous coat is completely cured.

Storage:

The directives for dealing with easily flammable substances apply for methacrylic resins. Plastifloor® resins must be stored in a cool place, away from direct sunlight and preferably at a temperature of 59-68 °F (15-20 °C). During storage the paraffin dissolved in the binding agent may precipitate. Stir the resin well before application! Please follow the instructions in our Safety Data Sheet.

Industrial safety:

Provide adequate ventilation during work. During processing, observe the regulations of the Hazardous Substances Ordinance, the instructions of the Federal State Committee for Occupational Safety and Safety Technology (LASI), and our safety data sheets.

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VbF: A I
GISCODE: RMA 10
HS-Code: 3208 2010

CE	
Plasti Chemie International GmbH • Falgarding 1 • 08223 Falkenstein • Germany	
EN 13813, SR-B2, 0-AR0, 5-IR12	
Plastifloor® mortar 050/051	
Synthetic resins for internal uses (Application in accordance with the newest technical information)	
Reaction to fire:	E _n
Wear resistance (Abrasion Resistance):	AR 0.5
Impact resistance:	IR 12
Tensile bond strength:	B 2.0

CE-labelling

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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