

Methacrylate resin + powder component for producing Plastifloor® 500 „style“ surfaces

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**Application:** Plastifloor® 500 „style“ floorings are applied as a premium topcoat for smooth surfaces of high optical quality. The self-levelling coating is produced by mixing liquid component Plastifloor® 500 with dry mixture 500 “style” and adding Hardener powder 500 directly on site. Apply evenly with a notched trowel. Plastifloor® 500 „style“ is applicable as a self-levelling coating on primed surfaces and, where required, on grounds levelled with an interlayer. After curing, the topcoat can be dry-grinded with 100s sand paper, which results in a smooth surface. Transparent topcoats are processed with Plastifloor® 500 resin and Plastifloor® Hardener powder M.

**Characteristics:** Plastifloor® 500 is a high quality topcoat on even surfaces such as shops, entrance areas, exhibition halls with high requirements to outstanding visual effects. The coating is distinguished by the following characteristics:

- good levelling qualities
- low tendency of yellowing
- enhanced scratch resistance
- low tendency to staining

### Characteristic data:

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Delivery form	liquid, blue	
Flow time	26 - 32 sec (68°F)	DIN flow cup, 4mm
Curing	20 - 30 min (68°F)	
Density	8.3454 lb/gal	(68°F)
Flashpoint	50°F	
Shelf life	In the original container, dark at < 65°F maximum 6 months	

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**Packaging:**

Resin:	396.83 lb drums; 55.12 lb, 22.05 lb pails
Powder:	33.07 lb paper bags
Hardener:	44.09 lb, 11.03 lb, 5.51 lb boxes

### Processing Notes:

Processing: Briefly stir up Plastifloor® 500 resin and pour into a mixing pail. Add Plastifloor® 500 hardener and mix for minimum 30 sec. Then add Plastifloor® 500 “style” / powder component and thoroughly mix for at least 1 minute.

# Plastifloor® - 500 „Style“ (USA)

**PLASTI CHEMIE**

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Pour coating compound onto the primed and, if required, interlayered underground. Distribute with a notched trowel. Apply a layer thickness between 2-3 mm. After curing, the topcoat can be dry-ground with a rotary disc sander (sandpaper 100s granulation). Sealing is processed with Plastifloor® 500 resin, colorless while adding preferably Plastifloor® hardener powder M in order to obtain an even and scratch-resistant surface.

## Suggested formulation:

### Coating

2.642 gal Plastifloor® 500 Resin  
33.07 lb Plastifloor® 500 „Style“ powder  
6.76 oz Plastifloor® Hardener 500

### Sealing

2.12 gal Plastifloor® 500 Resin  
8.12 oz Plastifloor® Hardener 500

## Pot life and curing times depending on temperature:

Further coating layers with Plastifloor® must only be applied after the previous layers have completely cured.

Temperature [°F]	Hardener [Vol-%] *	Pot life [min]	Curing time [min]
+ 41	6	~ 30	~ 60
+ 50	4	~ 20	~ 40
+ 68	3	~ 15	~ 30
+ 86	2.5	~ 12	~ 20

\* Hardener quantity calculated on pure resin (Hardener 50 W)

## Consumption:

app. 0.0368 gal/ft<sup>2</sup> per mm layer thickness (Coating)  
app. 0.0074 gal/ft<sup>2</sup> (Sealing)

## Initiator/Hardener:

Plastifloor® Hardener powder 500, temperature-sensitive  
Plastifloor® Hardener powder M, temperature-sensitive

## **Colors:**

Plastifloor® 500 style powder is available in the following colors:

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*classic 990*



*hierro 1305*



*contrast 940*



*light blue 501*



*north sea 520*



*desert 860*



*cinnamon 883*



*beach sand 103*



*peach 350*



*apple green 600*

## Storage:

The handling-regulations for highly flammable materials apply to methacrylate – resins. Plastifloor® resins are to be stored cool, protected against direct sunlight and preferably at temperatures of 59 - 68 °F. During storage paraffin – particles and filler – materials may precipitate. Thus before processing, containers have to be stirred up well. Please mind the advice on our safety data sheets.

## Advice:

Plastifloor® 500 style is applicable as a topcoat in both interior and exterior zones (pay attention to slip resistance categories!). Good ventilation during the application ensures good curing. Due to the thermoplastic properties of MMA resins, black strips may occur under strain of forklifts (skid marks).

This effect may be reduced by processing the sealing with Plastifloor® Hardener powder M. Please also note the cleaning and maintenance instructions for Plastifloor® grounds.

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**VbF:** A I

**GISCODE:** RMA 10

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.