

Plastifloor® 332 (USA)

Viscous, plasticized synthetic resin for membranes and elastic coatings, indoors and outdoors, appropriate for tarmac, concrete and metal substrates

Application

Due to its elasticity, Plastifloor® 332 is ideal for producing elastic membranes after priming with Plastifloor® 112. Plastifloor® 332 membrane can be coated with Plastifloor® 418 and also with an elastic Plastifloor® 332 covering.

Characteristics:

Plastifloor® 332 coatings remain elastic and abrasion resistant even at low temperatures. It can therefore also be used in coolers and outdoors. It is characterized by a very good leveling. The use of Plastifloor® 332 in membranes minimizes cracking in floor coverings, as mechanical loads and dynamic forces are better absorbed and transferred to the substrate.

Characteristics of the resin as delivered:

Property	Measuring method	Approx. value
Viscosity at 73 °F	DIN 53 015	220-280 mPa · s
Flow time at 68°F, 6 mm cup	DIN 53 211	35-45 sec
Density D ⁶⁸	DIN 51 757	0.95 g/cm ³
Pot life at 68 °F	approx. 10 min	
Curing	30 - 40 min at 68°F	
Form of delivery	liquid, violet	
Shelf-life	dark at <68°F 6 months maximum	
Bundle	180 kg drums	
	25 kg, 10 kg pails	

Characteristics of the resin in the hardened state:

Property	Measuring method	Approx. value
Strain at break	EN ISO 527	~95%
Tensile strength	EN ISO 527	~3 MPa
E-modul	EN ISO 527	3 MPa
Water absorption, 4 days	DIN 53 495	100 mg
Shore-D	DIN 53 505	20-30 Units

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To improve the intermediate adhesion, we recommend to slightly broadcast Plastifloor® 332 membranes, e.g. with quartz sand size 15 - 25 mesh. Plastifloor® 332 op coverings should always be broadcasted.

Processing Notes:

Processing:

The mixture should be prepared immediately before use by adding the filler and by adding the filler and hardener powder 50W. The mixing time with the double agitator is about 2 minutes. It is recommended to apply Plastifloor® 332 in a minimum thickness of 0.1881 inches (3 mm). Add the filler materials when the hardener has been well mixed with the resin. (1 min.)

The application is usually done with a notched trowel or a smoothing trowel. The self-levelling top coat can also be

evened with a squeegee. Broadcast the fresh coating with quartz sand 15 – 25 mesh quartz sand or decorative quartz sand, at approximately 0.074 - 0.098 lb/ft² for membrane and 0.098 - 0.123 lb/ft² for coating.

Suggested formulation: Membrane

2.113 gal	primer Plastifloor® 332
1.585 - 2.113 gal	SL Filler
8.12 oz	hardener 50 W (at 68°F ground temperature)

Coating

2.113 gal	primer Plastifloor® 332
2.113 – 2.641 gal	SL Filler
8.12 oz	hardener 50 W (at 68°F ground temperature)

Further coats of Plastifloor® should be applied only after the previous coat has completely cured.

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Pot life and curing times depending on temperature:

Temperatur [°F]	Hardener [Vol%]	Hardener [wt%]	Pot life [min]	Curing time [min]
+ 41	4.0	2.6	approx. 20	approx. 60
+ 50	3.5	2.3	approx. 15	approx. 45
+ 68	3.0	2.0	approx. 10	approx. 40
+ 86	2.5	1.6	approx. 10	approx. 30

- Hardener quantity calculated according to Plastifloor® 332
- Temperature refers to resin, surface and air temperature

Attention: Hardener levels below 1 vol. % may cause polymerisation failure!

Note: Do not apply the next coat until the previous coat is completely cured. For work below +41 °F (5°C) we recommend the use of Plastifloor® Accelerator B 101. (Ask for data sheet!)

Storage: The handling regulations for highly flammable materials apply to methacrylate – resins. Plastifloor® resins should be stored cool, away from direct sunlight and preferably at temperatures between 59 - 68 °F (15 – 20 °C). During storage, paraffin particles and fillers may precipitate. Therefore, containers must be well agitated before use. Please refer to our Safety Data Sheets.

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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.

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® 332	
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.