

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

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

**Characteristics:** Plastifloor® 332 N coatings stay elastic and abrasion-proof even at low temperatures. Thus it can also be used in coolers and outdoors. It is characterized by an especially good levelling. The use of Plastifloor® 332 N in membranes minimizes fissuring in floor coverings as mechanic loads and dynamic forces are better absorbed and transferred onto the subsurface.

### Characteristic data:

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Delivery form	liquid, blue	
Flowtime	15 - 21 sec	(DIN cup 0.23622 inch)
Curing	15 - 25 min	(68°F with 2% hardener 50W)
Density	8.3454 lb/gal	(68°F)
Flashpoint	50°F	
Shelf life	In the original container, dark at < 65°F maximum 6 months	
Bundle	396.83 lb drums 55.12 lb, 22.05 lb pails	

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To enhance the intermediate adhesion, we recommend to slightly broadcast Plastifloor® 332 N membranes, e.g. with quartz sand size 15 - 25 mesh. Always broadcast Plastifloor® 332 N Top coverings.

### Processing Notes:

Processing: Mixture production is to be effected immediately before processing by providing the filler and by adding hardener powder 50W. Mixing time with the double agitator is about 2 min. We recommend installing Plastifloor® 332 N with a minimum thickness of 3 mm. Add the filler materials when the hardener has been well mixed with the resin. (1 min.)

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

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evened with a squeegee. Broadcast the fresh coating with quartz sand 15 – 25 mesh or décor quartz sand, approx. 0.074 - 0.098 lb/ft<sup>2</sup> for Membrane and 0.098 - 0.123 lb/ft<sup>2</sup> for coating.

### Suggested formulation:

#### Membrane

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

### 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	3	~ 8	~ 23
+ 50	2.5	~ 10	~ 27
+ 68	2	~ 10	~ 30
+ 86	1.5	~ 11	~ 30

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

**Attention:** Hardener quantities below 1 Vol. % may cause polymerisation failures!

### **Characteristic data of 5 mm coat:**

Density		15.439 lb/gal
Material consumption per mm thickness		0.368 lb/ft <sup>2</sup>
Pressure resistance	DIN EN ISO 604	14 MPa
Tensile strength	DIN EN ISO 527	6 MPa
Ultimate strain	DIN EN ISO 527	3.0 %
E-module	DIN EN ISO 527	900 MPa
max. Temperature resistance (dry)		140 °F
Vicat softening temperature	DIN 53460	122 °F
Ball indentation hardness	DIN 53456	15 N/mm <sup>2</sup>

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Impact resistance	DIN ISO 6272	4 Nm
Fire class	DIN 4102	B2
Thermal expansion coefficient	VDE 0304/1	$79 \cdot 10^{-6} \text{K}^{-1}$

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### 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.

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.