

Plastifloor® 332/Z (USA)

Very viscous, elastic synthetic resin coating
Applied on concrete and metal surfaces

Application: Thanks to its elasticity, Plastifloor® 332/Z is suitable as a membrane of wear-resistant toppings (up to 5 mm). Its elasticity renders it as an ideal intermediate layer after priming in areas subject to heavy loads and traffic (i.e. forklift traffic) or on orthotropic steel plates. Concrete and metal substrates can also be coated. Outdoor using is possible.

Properties: Coatings and joint fillers formulated using Plastifloor® 332/Z are elastic and abrasion resistant even at low temperatures.

Characteristic data:

Appearance		viscous, liquid
Density at 68°F		app. 0.0023 lb/cm ³
Flashpoint	DIN 51755	+50°F
Shelf life, dark at < 68 °F	6 months maximum	

For improving the intermediate adhesion, we recommend to slightly scatter e.g. quartz sand 0.2-0.7 mm onto the intermediate layer.

Characteristic data of the 5 mm lining:

Density		ca. 15.44 lb/gal
Material Consumption per mm lt. Suggested formulation		ca. 3,97 lb/m ²
pressure strength	DIN 1164	ca. 26 N/mm ²
bending strength	DIN 1164	ca. 19 N/mm ²
E-Modul	DIN 53457	not measurably
max. Temperature resistance (drying)		ca. 140 °F
Vicat softening temperature	DIN 53460	ca. 122 °F
Ball indentation hardness	DIN 53456	ca. 15 N/mm ²
Thermal expansion coefficient	VDE 0304/1	ca. 79·10 ⁻⁶ K ⁻¹

The production of the mixing property takes place immediately prior to processing via presentation of the bonding agent and addition of the hardener powder. The mixing time with the double agitator amounts to 1 to 2 min. Thin layer thicknesses and/or high filling degrees deteriorate the process characteristics and the characteristics of the resin.

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Suggested formulation:

2.113 gal Plastifloor 332/Z
0,053 gal Hardener 50W (bei 68°F)

Pot and hardening times as a function of Temperature:

Temperature (°F)	Hardener (weight.-%)*	Pot life (min.)	Hardness-time (min.)
+41	4	ca. 30	ca. 70
+50	3	ca. 25	ca. 60
+68	2.5	ca. 20	ca. 50
+86	2	ca 15	ca. 45

* Hardener quantity on Plastifloor 332/Z referred.

Hint: The coating work always has to be continued only after complete curing of the preceding layer. For jobs below 41 °F the application of accelerator 101 is necessary. (query data sheet!)

Storage: The regulations for highly flammable materials apply for Methacrylate resins, Plastifloor resins while handling also have to be stored cool and protected from direct insolation, if possible at temperatures of 59-68 °F. During storage paraffin portions and fillers can separate. Before processing these bundles, stir up thoroughly!

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.