

Plastifloor® 526 (USA)

Medium viscous methacrylate resin
for sealing Plastifloor® coatings
in wet areas of the food industry

PLASTI CHEMIE
International GmbH

Characteristics: Plastifloor® 526 is a topcoat, especially for sanded and smoothed coatings based on Plastifloor® 332, Plastifloor® 510 or Plastifloor® 418 in food industry production plants with increased water and grease load.

Plastifloor® 526 excels particularly in the following characteristics:

- good processing quality
- low tendency to yellowing
- increased hot water and fat stability up to 176°F

Characteristics of the resin as delivered:

Property	Measuring method	Approx. value
Viscosity at 73 °F	DIN 53 015	100-140 mPa · s
Flow time at 68°F, 4 mm cup	DIN 53 211	30-40 sec
Density D ⁶⁸	DIN 51 757	0.95 g/cm ³
Pot life at 68°F	approx. 12-15 min	
Curing	30-40 min (at 68 °F and 1% hardener)	
Form of delivery	liquid, slightly 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	~4%
Tensile strength	EN ISO 527	~25 MPa
E-modul	EN ISO 527	551 MPa
Water absorption, 4 days	DIN 53 495	100 mg
Shore-D	DIN 53 505	70-90 Units

Processing Notes:

Processing: For proper cure, at least 14.11 ounce/ft² sealer must be applied per rolling step. To provide the necessary slip resistance and to avoid yellowing and flaking, the maximum layer thickness is limited to 28.22 oz/ ft². Best results are obtained at 24.69 oz/ ft² by roller step with short hair (polyamide gold stripe) on sand broadcast coatings (15 - 30 mesh grain).

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Scratch and water resistance can be ameliorated by using Hardener M. Plastifloor® Hardener M results in a matte surface. Please refer to the product data sheet.

Special remarks:

Plastifloor® 526 can be used as clear sealer indoors and outdoors. Elastic coatings with Plastifloor® 332 should be sealed with Plastifloor® 528 PUMMA-Hybrid in exterior areas.

Failure to do so may result in hairline cracking of the surface. To avoid yellowing, the hardener quantities in the table must be followed exactly. Good cross ventilation during processing will ensure good cure. Due to the thermoplastic nature of MMA resins, black streaks (skid marks) may appear on forklift loads. The use of hardener/M reduces the occurrence of skid marks..

Suggested formulation:

2.113 gal Plastifloor® 522
2.71 oz Hardener 50 W or 5.41 oz Hardener M

Pot life and curing times depending on temperature:

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

Temperatur [°F]	Hardener [Vol%]	Hardener [wt%]	Pot life [min]	Curing time [min]
+ 41	2.0	1.3	25 - 30	45 - 50
+ 50	1.5	1.0	15 - 20	35 - 40
+ 68	1.0	0.7	12 - 15	25 - 35
+ 77	1.0	0.7	8 - 12	15 - 25

- Hardener quantity according to quantity of Plastifloor® 526 (hardener 50W)
- The temperature specifications refer to resin, soil and air temperature.

Attention:

At temperatures below 32 °F, the resin needs to be put into a warm environment prior to processing - minimum 41 °F and up to 2% hardener added. Generally, accelerators cannot be added to sealants – either as thinner or as an accelerator – due to yellowing issues.

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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.

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® 526	
Synthetic resins for internal uses (Application in accordance with the newest technical information)	
Reaction to fire:	E ₀
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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