

Special adhesive primer  
for use on damp or new concrete substrates

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**Application** Plastifloor® 118 is used as a special prime coat for damp or new concrete substrates.

**Characteristics:** Plastifloor® 118 is a low viscosity, 2 component reactive methacrylate resin that also cures fast at low temperatures.

Improved adhesion to damp concrete and cementitious based substrates

**Characteristic data:**

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Delivery form	slightly cloudy liquid
Viscosity, 77°F (25°C)	100-130 cP (mPa*s)
Density, 77°F (25°C)	8,3 lb/gal
Pot life / processing time at 68°F (20°C)	approx. 10 min
Curing time at 68°F (20°C)	approx. 60 min.
Flashpoint	50°F
Shelf life	In the original container, at < 68°F maximum 6 months

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**Processing Notes:**

Processing: Plastifloor® 118 is suitable for damp concrete and cementitious substrates. There must not be any visible water on the surface. The surface must be firm, solid and free of dust, fat and oil.

Plastifloor® 118 can be processed with Plastifloor® Hardener 50 W. Hardener quantity must be adjusted to the respective object temperature (see table). At temperatures below + 41°F (+5°C), accelerator B101 can additionally be added must be added ~ 0.5 % at 32 °F (0°C) up to 3 % at - 22 °F (-30°C) with retention of 6 % hardener powder.

After mixing in the hardener powder, disperse Plastifloor® 118 equally and thinly with a roller or rubber squeegee. Apply at a rate of between 140 ft<sup>2</sup>/gal (300 gr/m<sup>2</sup>) to 70 ft<sup>2</sup>/gal (600 gr/m<sup>2</sup>) depending on density and porosity of the substrate. In any case, continue applying primer until saturation occurs to obtain a continuous resin film. On extremely porous absorbent substrates, prime twice to achieve a thin but closed film that bonds the broadcasting material. We recommend slightly broadcasting the

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primer with quartz sand (size 15 - 25 mesh). If only thin sealers are to be applied, we recommend using quartz sand in size 20 - 40 mesh. This work step ensures an absolutely solid bond between primer and the following coating.

Suggested  
formulation:

2 gal primer  
5,1 – 6,5 oz (2 - 2,5 Vol.-%) hardener 50 W at 68°F ground  
temperature

Material  
consumption:

140 ft<sup>2</sup>/gal (300 gr/m<sup>2</sup>) - 70 ft<sup>2</sup>/gal (600 gr/m<sup>2</sup>) per Work step

Amount of Hardener  
depending on  
temperature:

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

Temperature [°F]	Hardener [Vol.-%] *
32 - 41	6
41 - 50	5
50 - 59	4
59 - 68	3
68 - 77	2
77 - 86	1

**Attention:**

Hardener quantities below 1 % by weight may cause polymerisation failures!

**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 (15 – 20 °C). 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.

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