

Higher-viscous, elasticized PU-MMA resin with high flexibility at very low temperatures. For 2-component floor coatings on concrete substrates in coolers and freezers. Also to be used as liquid water-proofing and joint grouting mass for movement joints.

Properties:

Plastifloor® 800 is a viscous elasticized PU-MMA hybrid resin with especially high flexibility at very low-temperatures. This resin may be used for constructing membranes and coatings in coolers and freezers as well as for liquid foils and joint grouting. On application of the PET filler 800 PET that has been especially developed for this type of resin, the coating will stay particularly elastic, even at low temperatures. Thus the resin can be used for sealing, car park coatings and pool linings. The same goes for the jointless waterproofing of roofs, inlets and dome lights.

Characteristic data:

Form of delivery	liquid, blue
Flow time	53-68 sec (20°C), DIN flow cup, 6mm
Curing	45-60 min (20°C)
Shelf-life	dark at < 20 °C 6 months maximum
Bundle	180 kg drum 25 kg, 10 kg pail

Activator: Plastifloor® 800 is pre-activated for temperatures from + 5 °C to + 30 °C.

Initiator/hardener: Hardener powder 50W (BPO), depending on temperature

Thinner: up to 5 Vol.% accelerator 440

Properties:

Coatings based on Plastifloor® 800 excel in high low-temperature flexibility. Plastifloor® 800 is also used as membrane layer for Plastifloor® coatings and is thus especially appropriate for application in coolers and freezers. Furthermore Plastifloor® 800 may be used as grouting component for movement joints with very good low-temperature flexibility in outside sections.

Producing the mixture:

Plastifloor® 800 can be filled as described below with fillers and pigments for producing a coating mass that is ready for application. Don't leave activate Plastifloor 800 in your pail. **Pour out completely!**

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Suggested formulations:

800/1	80.0 PBW Plastifloor® 800
Membrane layer, 1 - 2 mm	20.0 PBW Quartz flour 1600
800/2	50.0 PBW Plastifloor® 800
Coating, broadcast	24.0 PBW Quartz flour 1600
5 – 8 mm	24.0 PBW Quartz sand 0.3 – 0.8 mm
	2.0 PBW Pigment powder
800/3	95.0 PBW Plastifloor® 800
Joint grouting	5.0 PBW Pigment powder
800/4	
Waterproofing membrane	60.0 PBW Plastifloor® 800
	40.0 PBW Plastifloor® 800 filler PET
	(each formula + at a time +3-4 Vol.% hardener powder 50 W, see chart)

Processing:

Recipe **800/1** is applied to the substrate, pre-primed with Plastifloor® 112 by using toothed rake made of metal or MMA durable plastic. Recipe **800/2** is pre-dispersed by a pin squeegee and evened by a sword trowel. This formulation is especially suitable for floors in coolers and freezers (down to – 30°C). For increasing the pressure resistance and grip, the flow coating is being broadcasted to excess with quartz sand - size 0.6 – 1.2 mm. Remove the surplus sand before applying the topcoat.

Plastifloor® 800 coatings should be sealed with Plastifloor® 528 PUMMA (clear or pigmented) or followed by another coating layer.

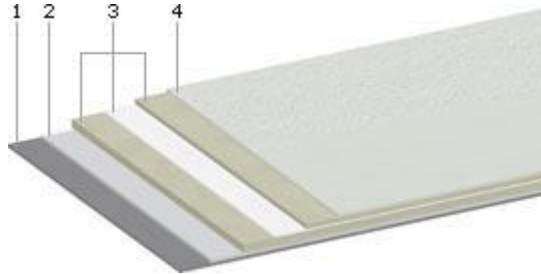
Recipe **800/3** is used for casting interior and exterior pre-primed movement joints. Especially observe the fact that the casting compound will only form a compound on the joint's side flanks if this has carefully been primed with Plastifloor® 112.

In recipe **800/4** the resin Plastifloor® 800 is mixed with filler 800 PET. It serves for producing highly elastic, waterproof sealing layers on car park decks, balconies, roofs and terraces. The Plastifloor® 800 resin and filler 800 PET mix is applied to the surface that has been primed with Plastifloor® 112, then compounded by a polyester fleece and coated wet-in-wet.

Plastifloor® 800 PUMMA hybrid (GB)

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System structure:



1. substrate
2. primer Plastifloor® 112
3. waterproofing with Plastifloor® 800 with PET filler,
4. polyester fleece
5. topcoat with Plastifloor® 528 (optional)

Pot life and curing times depending on Temperature:

Temperature [°C] **)	Hardener [Vol.-%] *)	Pot life [min.]	Curing time [min.]
+ 5	5.0	~ 15	~ 70
+10	4.0	~ 15	~ 60
+20	3.0	~ 10	~ 45
+30	2.0	~ 5	~ 50

*) Hardener quantity corresponding to Plastifloor® 800 resin

**) Temperature indications correspond to resin, floor and air temperature

Note:

It is absolutely necessary to stir up well the resin before application.

Processing below 0°C:

Please use accelerator B101!
Dosage according to data sheet Plastifloor® B101

Notes:

Application and grouting only on primed surfaces! On processing, pay attention to the directives in the hazardous substances ordinance and to the indications of the Federal States Committee for industrial safety and safety engineering (LASI) as well as to our safety data sheets. Ensure sufficient ventilation!

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 15-20 °C. During storage paraffin - particles and filler - materials may

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precipitate. Thus before processing, containers have to be stirred up well. Please mind the advice on our safety data sheets.

Industrial safety:

Ensure sufficient ventilation during work. On processing, pay attention to the directives in the hazardous substances ordinance and to the indications of the Federal States Committee for industrial safety and safety engineering (LASI) as well as to our safety data sheets.

VbF: A I

GISCODE: RMA 10

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