

Plastifloor® 430 (USA)

Highly viscous, elastic PU Methacrylate resin with low-temperature flexibility. Mixed with Plastifloor® coating resins used for the production of 2-components coatings in cool and cold treatment areas on concrete ground. Also applicable as liquid foil and joint grouting mass for construction joints

Characteristics: Coating based on Plastifloor® 430 or mixtures with Plastifloor® 322 has a high cooling flexibility. Plastifloor® 430 is also used also as a membrane layer with Plastifloor® coatings, as jointing grouting mass for work adding with very good flexibility properties in the external area.

Characteristics data of the resin as delivered:

Property	Measuring method	Approx. value
Viscosity at 73 °F	DIN 53 015	220-280 mPa · s
Flow time at 68°F, 6 mm cup	DIN 53 211	15-21 sec
Density D ⁶⁸	DIN 51 757	0.96 g/cm ³
Water absorption, 4 days	DIN 53 495	0 mg
Pot life at 68 °F	approx. 10 min	
Curing	60 min at 68°F	
Form of delivery	liquid, violet	
Shelf-life	dark at <68°F 6 months maximum	
Bundle	180 kg drums 25 kg, 10 kg pails	

Activator: Plastifloor® 430 is pre-activated for temperatures from +41°F to +86°F

Initiator/hardener: Hardener powder (BPO), temperature-dependent

Accelerator: Use B101 accelerator at temperatures below 32 °F!

Storage conditions: Store at 77°F. Protect from direct sunlight. Temperatures below 59°F may cause the paraffin in the binder to fail. Stir up well before use!

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Processing Notes:

Suggested formulation:

430/1

Membrane layer

10-18 mesh (1 - 2 mm)

80 ppW Plastifloor® 430

20 ppW fine Filler < 270 mesh (no carbonate-containing fillers!)

430/2

Coating

interspersed

3 – 8 mesh (5 - 8 mm)

30 ppW Plastifloor® 332 : 430 (2:1 to 3:1)

28 ppW fine Filler < 270 mesh (no carbonate-containing fillers!)

40 ppW Quartz sand 20 - 40 mesh

2 ppW pigment powder

430/3

Joint grouting

80 ppW Plastifloor® 430

15 ppW Plastifloor® Additive 430

5 ppW pigment powder

Processing:

Dispensing 430/1 is applied with a dental made of metal or MMA-resistant plastic.

Dispensing 430/2 is redistributed with a squeegee and smoothed with a trowel. This formulation is particularly suitable for freezers floors or cold processing areas (to - 40 °F). In order to increase the compressive strength and skid resistance of the flooring, a 15 - 30 mesh quartz sand overlay is applied for decorative purposes with synthetic resin (EP or PU), interspersed with coated coloured sand of the same grain size. The excess sand/coloured sand is removed before the topcoat is applied. The surfaces of coatings with Plastifloor® 332 : 430 must be sealed with Plastifloor® 528 (clearly or pigmented).

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Processing joint: The 430/3 Dispenser is used for pouring pre-primed construction joints indoors and outdoors. Make sure that the sealant compound is only applied to the side flanks of the joint a group (use round profiles!).

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	5.0	3.3	approx. 15	approx. 80
+ 50	4.0	2.6	approx. 10	approx. 70
+ 68	3.0	2.0	approx. 10	approx. 60
+ 86	2.5	1.6	approx. 11	approx. 30

- Hardener quantity calculated according to Plastifloor® 430
- Temperature refers to resin, surface and air temperature

Attention: Hardener levels below 1 vol.% can cause polymerization failure!

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.

Note: Transfer and capping only on pre-primed surfaces!

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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® 430	
Synthetic resins for internal uses (Application in accordance with the newest technical information)	
Reaction to fire:	E ₁
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.