

# Plastifloor® - 430 N (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 on basis of Plastifloor® 430 N or mixtures with Plastifloor® 322 N disposes of a high cooling flexibility. Plastifloor® 430 N is used also as membrane layer with Plastifloor® coatings, as joint grouting mass for work adding with very good flexibility properties in the external area.

## Characteristic data:

Delivery form	liquid, blue	
Flow time	15 - 21 sec (68°F)	DIN flow cup, 6mm
Curing	15 - 25 min (68°F)	
Density	8.3454 lb/gal	(68°F)
Flashpoint	50°F	
Shelf life	In the original container, dark at < 65°F	maximum 6 months
Bundle	396.83 lb drums	55.12 lb, 22.05 lb pails

## Processing Notes:

### Suggested formulation:

#### 430/1

*Membrane layer*  
1 - 2 mm      80 ppW Plastifloor® 430 N  
20 ppW fine Filler < 270 mesh (no carbonate-containing fillers!)

#### 430/2

*Coating interspersed*  
5 - 8 mm      30 ppW Plastifloor® 332 N : 430 N (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 N  
15 ppW Plastifloor® Aditive 430  
5 ppW pigment powder

### Processing:

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

The dispensing 430/2 is predistributed with a squeegee and smoothed with a trowel. This formulation is particularly suitable for grounds in freezers or cold treatment areas (to - 40 °F). For the increase of the pressure strength and the pavement grip the flow lining with quartz sand 20 - 40 mesh or 15 - 30 mesh for decorative purposes with synthetic resin (EP or PU) is interspersed coated color sand of same granulation. Before

## Plastifloor® - 430 N (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

applying Topcoats, the surplus sand/color sand is removed. The surfaces of coatings with Plastifloor® 332 N : 430 N must be sealed with Plastifloor® 528 N (clearly or pigmented).

Processing joint: The dispensing 430/3 is used for pouring pre-primed construction joints in the interior and external area. It has to be ensured that the sealing compound is received only at the side flanks of the joint a group.

Pot life and curing times depending on temperature:

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

Temperature [°F]	Hardener [Vol-%] *	Pot life [min]	Curing time [min]
+ 41	3	~ 8	~ 75
+ 50	2.5	~ 10	~ 60
+ 68	2	~ 10	~ 30
+ 86	1.5	~ 11	~ 30

\* Hardener quantity calculated on pure resin (Hardener 50 W)

**Attention:** Hardener quantities below 1 Vol. % 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. 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.

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.