

Elasticised, filled Methacrylate resin for broadcasting coatings

**Application** Plastifloor® 412 N is notably suitable for the production of 2.0 to 4.0 mm broadcasting coatings.

**Characteristics:** Plastifloor® 412 N coatings dispose of outstanding mechanical strength and a high resistance to chemicals in addition to resistance against UV-aging and saponification.

**Characteristic data:**

Delivery form	liquid, Slightly cloudy
Density	8.3454 lb/gal (68°F)
Flashpoint	50°F
Shelf life	In the original container, dark at < 65°F maximum 6 months

**Processing Notes:**

Suggested formulation:  
*Coating 2-5 mm*

			Consumption
	60.0 ppW	Plastifloor 410 N	0.205 lb/ft <sup>2</sup>
app.	40.0 ppW	Quartz sand	0.143 lb/ft <sup>2</sup>
	2.0 ppW	Hardener 50 W (68°F)	

This formulation is suitable for floors exposed to severe mechanical and chemical loading in dry and wet areas, e.g. electrolysis and galvanizing plants, chemical production plants, acid-proof installations, dairies and butcher's trade where non-skid floors are required.

This mix is applied to well-primed surfaces. If necessary, it is possible to apply a flexible membrane layer made from Plastifloor® 332/Z.

Processing:

**Stir up the resin well before use!**

Prior to use, hardener and resin must be mixed and stirred at least 1 minute, then fillers are premixed in the power mixer for app. 2 minutes. Then the coating is applied immediately by using a smoothing trowel.

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Thin layers and excess filler deteriorate the liquid quantity of the material and may cause curing defects.

Bleed the coating compound with a pricking roller

For decorative surfaces, colored sands (resin coated), e.g. granulation 15 - 25 mesh may be scattered onto the coating.

We recommend to seal this surface e.g. with Plastifloor® 522 N or Plastifloor® 526 N.

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	4.5	~ 40	~ 80
+ 50	3.5	~ 30	~ 60
+ 68	2	~ 25	~ 50
+ 86	1	~ 25	~ 45

\* 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.