

Plastifloor® - 410 N (USA)

Elasticised, medium-viscous, filled
Methacrylate resin for broadcasting coatings

Application Plastifloor® 410 N is notably suitable for the production of 2.0 to 5.0 mm broadcasting coatings, which are being broadcasted with sand of corresponding particle size.

Characteristics: Plastifloor® 410 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
app.	60.0 ppW	Plastifloor 410 N	0.205 lb/ft ²
	40.0 ppW	Quartz sand	0.143 lb/ft ²
	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.

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2 / 2