

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:

Condition	liquid
Storage	at a dark place at < 20 °C 6 months maximum
Bundle	180 kg drum 25 kg, 10 kg pail

Processing Notes:

Suggested
formulation:

Coating 2-5 mm

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.

Consumption

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

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.

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

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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 [min]
+41	4,5	ca. 30	ca. 80
+50	3,5	ca. 25	ca. 60
+68	2,0	ca. 20	ca. 50
+86	1,0	ca. 20	ca. 45

*) Hardener quantity calculated according to Plastifloor® 410

***) temperature refers to resin, surface and air temperature

Attention: Hardener quantities below 1 Vol. % may cause polymerisation failures!

Hint: The coating work always has to be continued only after complete curing of the preceding layer. For jobs below 5°C the application of accelerator 101 is necessary. (query data sheet!)

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.

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.

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Plastifloor® - 410 N (USA)

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PLASTI CHEMIE
Produktionsgesellschaft mbH

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