

Plastifloor® Accelerator 440 (USA)

Low-viscous activator for the application as accelerator in MMA resins

PLASTI CHEMIE
International GmbH

Application: Thanks to its low viscosity, Plastifloor® Accelerator 440 is suitable as an accelerator for MMA coating resins applied at low floor temperatures.

Characteristics: Plastifloor® Accelerator 440 can be used to produce low viscosity coatings from Plastifloor® 332, 418 and 510 in combination with mineral fillers material and color pigments. The addition of Accelerator 440 shortens the curing time, resulting in a lower viscosity of the coating compound, which ultimately results in a good distribution at low floor temperatures.

Characteristic data:

Property	Measuring method	Approx. value
Flashpoint	DIN 51757	50 °F
Density at 68 °C	DIN 51757	1 g/cm ³
Curing	10-20 min (at 68 °F and 2% hardener)	
Shelf-life	dark at < 68 °F, 6 months maximum	
Form of delivery	slightly cloudy liquid	
Bundle	25 kg, 10 kg pails	

Processing Notes: Plastifloor® 440 is being used together with the coating compound directly on site.

Suggested formulation: *Coating*

20 ppW Plastifloor® 418
2 ppW Plastifloor® Accelerator 440
60 ppW colored quartz sand 15 - 30 mesh

Smooth- trowelled

20 ppW Plastifloor® 418
2 ppW Plastifloor® Accelerator 440
60 ppW colored quartz sand 15 - 30 mesh

Processing: Mix Plastifloor® 440 and the coating resin Plastifloor® 418 for approx. 1 minute in a suitable container. Add Plastifloor®

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Hardener 50 W. Add dry filling material to the prepared resin mixture and homogenize for 2 minutes. Apply to the surface primed with Plastifloor® 112 and smooth with a squeegee and smoothing trowel.

Pot life and curing times depending on temperature:

Further layers of Plastifloor® must be applied only after the previous layers are completely cured.

Temperatur [°F]	Hardener [Vol%]	Hardener [wt%]	Pot life [min]	Curing time [min]
+ 41	2.6	4.0	ca. 10	ca. 30
+ 50	2.0	3.0	ca. 15	ca. 25
+ 68	1.3	2.0	ca. 7	ca. 20
+ 86	1.0	1.5	ca. 4	ca. 18

Hardener quantity is calculated on the net quantity of the **resin component!**

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.

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.

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VbF: A I
GISCODE: RMA 10
HS-Code: 3208 2010

CE	
Plasti Chemie Produktionsgesellschaft mbH • Falgarding 1 • 08223 Falkenstein • Germany	
EN 13813, SR-B2, 0-AR0, 5-IR12	
Plastifloor® Accelerator 440	
Synthetic resins for internal uses (Application in accordance with the newest technical information)	
Reaction to fire:	E _i
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.

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