

Solvent-free, glossy Topcoat
based on Aspartic Esters

Application

Plastipur® 570 is a solvent-free, non-filled and non-pigmented 2-component reaction plastic based on aspartic esters. The product is used indoors and outdoors in layer thickness between 0.15 mm and 0.3 mm for areas with medium mechanical and high chemical load. Due to its extremely high chemical resistance as well as its resistance to softening agents and anti-aging agents, Plastipur® 570 is mainly used as a topcoat for industrial and decorative floor coating systems e.g. In car dealerships and garages.

Characteristics:

Topcoats manufactured with Plastipur® 570 are tough and have a high abrasion resistance and good scratch resistance. The colours of the decorative floor covering are optically lifted by the seal and thus have a much more intense and powerful effect. In the fully cured state, Plastipur® 570 is resistant to water, sea water and sewage, as well as to numerous alkalis, dilute acids, salt solutions, mineral oils, lubricants and fuels, as well as a variety of solvents (colour changes possible).

Characteristic data:

Delivery form	transparent, glittering	
Viscosity	Component A	ca. 250 - 400 mPas
	Component B	ca. 700 - 1.000 mPas
	mixed viscosity	ca. 350 - 450 mPas
Density	1,09 g/cm ³	23°C / 50% RH
Shore-Hardness	D 66 - 72	
Solid content	100%	
Shelf life	In the original container, closed, dry, cool, frost-free max. 6 months	
Bundle	10 kg	

Processing Notes:

Processing:

Let the hardener component B flow completely into the main component A. Mix thoroughly with a slow-rotating stirrer (recommendation: double stirrer with counter-rotating stirrer shafts). Pour into another container and mix again. Prior to application to the substrate, an even, streak-free coating composition must be present.

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The substrate must be dry, firm, clean, load-bearing and free of separating substances such as greases, oils, etc.

The product is poured onto the prepared surface, applied with a rubber sifter and distributed uniformly in the crosstalk with short- or medium-pile rollers. The processing with trowel is also possible.

In the case of larger surfaces, care must be taken that time has to be taken to work onto older layers in order to minimize starting traces.

Mixing Ratio: 3:2 (Weight), 4:3 (Volume)

Material consumption: 200 - 400 g/m²

Processing time: 10 - 14 min (30 °C / 50% RH)
15 - 20 min (20 °C / 50% RH)
30 - 40 min (10 °C / 50% RH)

Reworking time: min. 2 - 3 h, max. 12 h (30 °C / 50% RH)
min. 4 - 6 h, max. 24 h (20 °C / 50% RH)
min. 12 - 16 h, max. 48 h (10 °C / 50% RH)

Curing time: Full mechanical load capacity at 50% RH
3 Days (30 °C)
7 Days (20 °C)
10 Days (10 °C)

Additional Information:

Plastipur® 570 is ready-to-use and cannot be filled or diluted. Coloured resins are also supplied on request.

The material, air and floor temperatures must be measured and must be between 10 °C and 30 °C during the entire installation. It is also important to ensure that the substrate temperature is 3 °C above the dew point temperature. The relative humidity must not exceed 80%.

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Ensure good ventilation after application and during hardening.
The surface must be protected from direct contact with water
during the entire hardening phase.

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.