



# EP-V Thick Film Paint

TECHNICAL DATA SHEET

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## Product Description:

Hagmans EP-V Thick Film Paint is a two-component water-based epoxy paint, primarily intended for thick film painting of concrete floors, but it will also work well on other surfaces such as wood and particle boards. The EP-V Thick Film Paint can also be used for thin film painting or, if having added filler materials, also be used as a self-smoothing surface treatment, filler or for pointing of masonry.

## TECHNICAL DATA:

Intended use	Painting and covering concrete floors
Bonding agent	Epoxy/polyamine-epoxy adduct
Dry matter ratio	Approx. 57%
Density	A comp: 1.05 kg/l. B comp: 1.35 kg/l. In mixture 1.25 kg/l
Sheen	When painting: gloss (approx. 65). When covering: matte (>5)
Cleaning/dilution	water
Coverage	Approx. 0,12 kg/m <sup>2</sup> when priming/painting per layer. See the instructions for coverage when painting and covering.
Ambient and surface temp. when applying	Surface temperature min. +10°C
Application tools	Roller, brush, spatula, spiked roller, etc
Re-paintable after	6-24 hours. If more than 24 hours have passed since the previous application, the surface must be sanded to a dull finish.
Fully dry	5-7 days.
Storage time	2 years. Away from frost.
Usage time	1.5 hours
Colour	Light grey, medium grey
Permeable to water	Open to diffusion
Usable	After approx. 24 hrs
Mix ratio	Comp A: 1 part in weight - comp B: 2 parts in weight



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## Pre-treatment:

New concrete surfaces must have been left to cure at least 7 days. They must also be dry and free from dirt, oil, etc. The top layer (the 'skin') of the concrete must be removed, e.g. by sanding, abrasive blasting or acid washing. If applying on a previously painted surface, the surface must be sanded to a dull sheen, and any loose paint must be removed.

## Application:

The A and B components must be mixed thoroughly. We recommend using an electric or compressed air mixer e.g. attaching a paint mixer drill attachment to an electric drill turning at low speed. Make sure the paint does not splash. Absorbent surfaces are to be primed with EP-V Thick Film Paint diluted with 10-20% water. A further layer of thick film paint must be applied on top of the primer (an application of approx. 0.3 kg/m<sup>2</sup> will provide a dried paint layer of approx. 130 µm). The product is to be applied with brush or a paint roller.

## EP-V Thick Film Paint as normal paint:

Absorbent surfaces are to be primed with EP-V Thick Film Paint diluted with 10-20% water. Add a further layer of undiluted paint on top. The product is to be applied with brush or a paint roller.

## EP-V Thick Film Paint as a self-smoothing paint:

Absorbent surfaces are to be primed with EP-V Thick Film Paint diluted with 10-20% water. Add some Hagmans Myanit or Epoxy Filler to make a paste to be used as a self-smoothing paint. Hagmans Myanit will give a smooth finish. If using Epoxy Filler, the surface will be textured.

Proceed as follows: Mix the A and the B components. To 1 kg of paint, add 0.5 kg of Myanit or 1 litre (1.6 kg) of Epoxy Filler. Mix carefully. The paste is applied with a toothed spatula and then rolled over with a spiked roller. Coverage: 1.2 l/m<sup>2</sup> (2 kg/m<sup>2</sup>) of the mixture will give a surface layer of at least 1 mm thickness.

## EP-V Thick Film Paint as putty:

By adding Hagmans Micro Talc to the EP-V Thick Film Paint, you can easily mix your own smooth putty for filling cracks in concrete, etc. Proceed as follows: Mix the A and the B components. Add approx. 1.71 (1 kg) Micro Talc to 1 litre (1.25 kg) of paint. Mix carefully, the putty is ready for use. You can paint over the putty after approx. 3 hours using any of our EP-V products. You must wait 24 hours before you can sand the putty.



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## Using EP-V Thick Film Paint for pointing masonry joints:

Add some JP Sand to EP-V to repair larger holes, smoothing out gradients, etc. Proceed as follows: Mix the A and the B components. Add 3 litres (4.8 kg) of JP Sand to 1 litre (1.25 kg) of thick film paint. Mix carefully. Apply the mixture using a plastering trowel or a masonry trowel. The mixture has cured enough to walk on after 24 hours. The mixture can be painted on after 3 hours, unless you need to walk on the surface.