

Technical Data Sheet

Perfect Line 1K HB ZFF Coating

Primers



Version 02/2015

Supplier

Importer and supplier

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Product

Corrosion-resistant fast drying high build coating for blasted steel based on a specially modified alkyd resin and pigmented with high-quality pigments and fillers. Contains less than 400 grams of solvent per litre of paint and thus complies with the VOC directive.

The product is fast drying, has excellent corrosion resistance, high layer thickness range, high filling power and has excellent waterproofing properties.

This product can be used as a primer / coating and topcoat on metal surfaces, such as for chassis, containers, agricultural machinery and other industrial applications. **Please note that the Perfect Line 1K HB ZFF Coating 90% gloss has no corrosive properties. It is therefore not intended for direct use on metal surfaces. To do this, a primer must be applied first.**

Item number(s)

GM.KPC.2130.20 (= 20L tin colour, silk matt)
GM.KPC.2136.20 (= 20L tin colour, 70% gloss)
GM.KPC.2138.20 (= 20L tin colour, 90% gloss)

Physical and chemical product properties

Packaging	: 20L tin
Colour	: RAL colours, other colours on request
Gloss	: Choice of 70%, 90% or silk matt
Solids content	: Approximately 50%
Density	: Approximately 1.26 kg/litre
Theoretical injection capacity	: 8.3 m ² /litre at 60 micron, dry film thickness 6.3 m ² /litre at 80 micron, dry film thickness
Shelf life	: 12 months at 5°C - 30°C in original and sealed packaging

The above data have been determined at a temperature of 20°C and 50% relative humidity. The drying times are determined with a wet layer thickness of 160 micrometres.

Surfaces

- The temperature of the surface must be at least 3°C above the dew point in order to prevent condensation.

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Application

The required ambient temperature for good hardening is at least 5°C.

Apply product with airless spray and airmix

Dilute with	: Perfect Line Uni Thinner or with Perfect Line Epoxy Thinner (9007)
Percentage	: about 5% (colour dependent)
Spray pressure	: at least 120 bar. With airmix: 60 bar.
Nozzle	: at least 0.013 inch
Pot life	: none
Cleaning equipment	: with Perfect Line Thinner A

Product application with air syringe

Dilute with	: Perfect Line Uni Thinner or with Perfect Line Epoxy Thinner (9007)
Percentage	: about 5% (colour dependent)
Spray pressure	: at least 3 - 5 bar
Nozzle	: at least 1.5 - 2 bar
Pot life	: none
Cleaning equipment	: with Perfect Line Thinner A

Drying process

At 20°C and a relative humidity of 50%, assuming 160 microns of wetness

Dust dry	: after 30 minutes
Tack-free	: after 1 hour
Handling	: after 2 hours
Paintable	: after 8 hours
Hardened	: after 7 days

Disclaimer

This TDS is leading. All other products referred to in this Technical Data Sheet are from Perfect Line. System properties will not be valid when the material in question is used in combination with any other materials or additives that do not belong to Perfect Line, unless explicitly stated otherwise. This product information has been carefully selected and compiled by us and is based on current knowledge and tailored to normal operating conditions. If deviating circumstances occur (with regard to application, pre-treatment or environmental influences), our representatives are happy to give advice in order to obtain the most favourable application of our products. For professional use only. The information is non-binding and we accept no liability for its accuracy and completeness. We reserve the right to update, modify and supplement the contents of these data at any time without prior notice and without obligation. These provisions apply without limitation to all changes and modifications. Safety data sheets and warnings on the product labels must be observed.