Technical Data Sheet

MONOFER® G101 / G107
Synthetic Resin Top Coat

Product range

MONOFER® G101	**Spraying application**
MONOFER® G107	**Quality for brushing and rolling**

Product Description

One-pack synthetic resin top coat with high gloss and good film build. Good weather-resistance, light fastness and flexibility. Sustained thermal resistance up to 80 °C dry heat.

Areas of Application

Top coat for steel construction, machine parts, warehouse equipment, building and agricultural machinery.

Application

Conventional and airless spraying, brushing (for small to medium areas).

Airless nozzles (approximate settings)
narrow = 211 / medium = 411 / wide = 611

Do not apply at temperatures below + 5 °C. Surface temperature must be at least 3 °C above dew point to prevent moisture condensation during application.

Can be recoated with Monofer G101 / G107 after 24 hours at 23 °C.

With the addition of 10 % Turbo-Additive H120, drying time can be reduced by more than half and surface hardness increased. Turbo-Additive should be mixed in before application and the material used within 12 hours at 20 °C.

Addition of Thinner

Conventional spraying	10 - 15 wt.-%	V1
Airless spraying	4 - 10 wt.-%	V1
Brushing	0 - 5 wt.-%	V1

If 10 % Turbo-Additive H120 is used, thinner usually is not necessary.

Special Notes

Our information is based on standard climate 23/50. The information contained in this technical data sheet is based on general technical standards and is meant for specialists. Any changes in the recommended operating procedures or specified environmental conditions may influence the results significantly. Our guarantee covers only the quality of the material delivered. We do not undertake any responsibility for the application. In case of doubt, we recommend contacting our Technical Service. Our products are under constant development. Therefore please note date of issue of our technical data sheet and ask for latest edition.

Safety Measures

Monofer G101 / G107 contains solvents and is combustible, and must therefore be protected from heat and kept away from naked flames. Ensure that ventilation is adequate and to not inhale vapours. All regulations regarding work hygiene and operational measures must be observed.

Technical Data

Binder	Alkyd resin
Pigmentation	Colored pigments
Finish	High gloss
Color	Color card RAL, NCS or sample
Substrate	One-pack primers, e.g.: - Protofer DS - Protopol F80 - Protopol F50 The surface must be dry, free of grease and dust.
Thinner	V10 or V1 (The use of other thinners may lead to defects and loss of quality.)
Packaging	5, 10 kg disposable containers
Storage	12 months in original, unopened containers stored at a temperature of 20 °C.
Waste disposal	Residues and expired material are considered as special refuse and must be treated as such, VeVa-code 08 01 11.

Components	1
Drying (20 °C)	Dust free approx. 45 min. Tack-free approx. 1.5 hours Dry to touch approx. 5 hours Transportable approx. 2 days Drying times depend on film thickness, substrate and air temperatures.

Solids content	by weight : approx. 56 % by volume: approx. 46 % } white
Density (20 °C)	approx. 1,1 kg/l
Theoretical consumption	approx. 95 g/m² @ 40 µm

	Monofer G101/G107	**V1**	**H120**
VOC value			
metallic	48 %	100 %	81 %
clear	58 %		
	55 %		

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Monopol AG
Oberrohrdorferstrasse 51, CH-5442 Fislisbach
Telefon +41 56 484 77 77, Fax +41 56 484 77 99
info@monopol-colors.ch, www.monopol-colors.ch

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