

# FEIDOPUR PRIMER ZG23-G1

## 2C-PU primer

FEIDOPUR PRIMER ZG23-G1 is a high-quality, two-component priming filler based on special polyurethane resin. It provides a satin finish and excellent application properties. ZG23-G1 is sandable, temporarily non-chalking and therefore suitable for outdoor storage.

With active pigmentation, it provides excellent corrosion protection for steel components exposed to demanding industrial conditions. Common applications include commercial vehicle construction, as well as the construction of containers, plants, engines and machinery.



## TECHNICAL DATA

Fields of application	Machinery, Steel constructions, Transportation equipment											
Recommended substrate	Steel											
Binder	Polyurethane											
Solids	49 ± 2% by volume											
Volatile organic compound (VOC)	Approx. 498 g/l (DIRECTIVE 2010/75/EU) The VOC value provided is the average value for factory produced products, and consequently it will be subject to variations between individual products covered by this Technical Data Sheet.											
Theoretical spreading rate	<table><tr><th>Dry film (µm)</th><th>Wet film (µm)</th><th>Theoretical spreading rate (m²/l)</th></tr><tr><td>50</td><td>100</td><td>9.8</td></tr><tr><td>100</td><td>200</td><td>4.9</td></tr></table>	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m²/l)	50	100	9.8	100	200	4.9		
Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m²/l)										
50	100	9.8										
100	200	4.9										
Practical spreading rate	The values depend on the application technique, surface conditions, overspray, etc.											
Colours	white, beige, RAL 7012, RAL 7037, RAL 1013, RAL 7016, approx. RAL 3009 Other colours by agreement.											
Gloss (60°)	Matt											
Hardener	Comp. B: FEIDOPUR HARDENER ZH70-01											
Mixing ratio (A:B)	2:1 parts by volume											
Pot life	Approx. 5 h (+20°C)											
Thinner	FEIDOSOLV VZ46											
Density	1.5 g/ml (depending on the colour shade)											

## Storage

Storage stability is 1 year in unopened package. Store in a cool place and in tightly closed containers. Most suitable storage temperature is +5°C - +25°C. The hardener reacts with air humidity and therefore the can is to be kept carefully closed. Protect from heat and freeze!

## DIRECTION FOR USE

### Surface preparation

Remove from the surfaces any contaminants that might be detrimental to surface preparation and application. Remove also water-soluble salts by using appropriate methods.

STEEL SURFACES: Remove mill scale and rust by blast cleaning to preparation grade Sa 2½ (standard ISO 8501-1). Residues that may weaken adhesion, such as oil, grease, dust must always be carefully removed before application.

The place and time of the preparation are to be chosen so that the prepared surface will not get dirty or damp before the subsequent treatment. Additional instructive information for surface preparation can be found in standards EN ISO 12944-4 and ISO 8501-2.

### Application method

Airless spraying, Air-assisted airless spraying, Conventional spraying, Brush, Roller

### Application

Take into consideration the pot life of the mixture when estimating the amount to be mixed at a time. Before application the base and hardener are mixed in right proportion. Stir thoroughly down to the bottom of the vessel. Mixing by machine is recommended, for example a slow-rotating hand-drill equipped with a mixer. Inadequate stirring or incorrect mixing ratio results in imperfect curing and impaired film properties.

Stir thoroughly before use.

Brush or roller can be used for touching up and painting small areas.

	Airless spray	Air-assisted airless spray	Conventional spray
Thinner	0 – 5 % FEIDOSOLV VZ46	0 – 5 % FEIDOSOLV VZ46	0 – 5 % FEIDOSOLV VZ46
Application viscosity	as delivered	as delivered	20 – 25 s DIN 4
Nozzle	0.011 – 0.013"	0.011 – 0.013"	1.4 – 1.8 mm
Paint pressure	120 bar	min. 100 bar	–
Air pressure	–	2.5 – 3.0 bar	4.0 – 5.0 bar

## Application conditions

The surface to be treated must be dry. During the application and drying period the temperature of the ambient air, the surface and the product shall be above +5°C and below +35°C and the relative air humidity below 85%. The temperature of the surface to be treated must be at least +3°C above the dew point of the ambient air. During application good ventilation is recommended.

<b>Drying time</b>	+20°C / 65% RH (dry film 60 µm)
- dust free	approx. 30 min
- touch dry	approx. 2 h
- fully cured	approx. 24 h
	The product obtains the final hardness and durability in normal conditions after about 2 weeks.

## Overcoatable

Surface temperature	By itself or by 2C-PU paints of the FEIDOPUR series, e.g. ZD55, ZD35	
	Min.	Max.*
+20°C	30 min	48 h

\* Maximum overcoating interval without roughening.

A completely clean surface is mandatory to ensure the best intercoat adhesion. If the maximum overcoating interval has been exceeded, the surface must be roughened before overcoating. Increase in film thickness and rise in the relative humidity of the air in the drying space slow down the drying process and effect the overcoating properties.

## Cleaning

FEIDOSOLV VZ46

## HEALTH AND SAFETY

### Safety and precaution measures

See safety data sheet.

The hardener of the product and the ready mixture contain isocyanates. In poorly ventilated areas and especially when using spray application we recommend the use of a fresh air mask. In short or temporary work, a mask with combined filter A2-P2 can be used. In this case eyes and face are to be protected.

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