

# solvatic PU Topcoat ZD23-A8

## Protective Coatings

## Industrial Coatings

## Automotive Coatings

## Construction Coatings

## Decorative Coatings

- ▶ Article number: **ZD23/6031A8DN**
- ▶ Reference colour: RAL 6031, bronze-green
- ▶ Colour range: according to RAL-register  
Special colours on demand
  
- ▶ **Medium Solid**
  
- ▶ elastic and chemical resistant
- ▶ high abrasion resistance, hardness and impact strength
- ▶ excellent resistance against chemical and mechanical loads

### Product description:

2C top coat material based on acryl-polyester-polyurethane. High quality top coat with medium UV-stability; elastic and chemical resistant. In addition, also applicable with thick layers. The product has a high abrasion resistance, remarkable hardness and impact resistance, excellent stability against chemical and mechanical loads. A good stability is shown against oils, fuels, salts and thinned acids.

### Application:

In coating systems for steel constructions with high influence from water, salt and de-icing salt. Containers in the fibre-, textile-, cellulose-, paper- and leather industries, lime and cement works, galvanizing plants, beverages- and foodstuffs firms, wastewater and sewage works, refineries, foundries, coking plants and similar. In special edition also suitable for OEM automotive industry e.g. chassis application.

## TECHNICAL DATASHEET

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**Hardener:** SOLVATIC hardener ZH62-000000DN (basis: aliph. polyisocyanate)  
 SOLVATIC hardener ZH66-000000DN (basis: aliph. polyisocyanate)

**Thinner:** SOLVATIC thinner VZ41-000000DN, also for cleaning the working tools

### Technical data:

Flash point:	above +23°C	
Viscosity – original packaging:	approx. 75 – 85 s 4 mm DIN53211	
Viscosity – for application:	approx. 30 – 40 s 4 mm	
Density (2c mixture):	approx. 1,2 g/ml	
Mixture ratio:	10 : 1 weight with ZH62	
	5 : 1 weight with ZH66	
	8 : 1 volume with ZH62	
	4 : 1 volume with ZH66	
Pot life:	approx. 6 hours (room temperature)	
Dry film thickness (DFT):	40 - 80 µm (according to demand)	
Gloss level:	matt	
Theoretical coverage:	approx. 9,1 m <sup>2</sup> /kg at 40 µm DFT	with ZH62
	approx. 8,5 m <sup>2</sup> /kg at 40 µm DFT	with ZH66
Solids content at volume:	approx. 46 %	with ZH62
	approx. 43 %	with ZH66
Solids content at weight:	approx. 63 %	with ZH62
	approx. 61 %	with ZH66
Org. solvent percentage:	approx. 37 %	with ZH62
	approx. 39 %	with ZH66
VOC value:	approx. 473 g/l	with ZH62
	approx. 520 g/l	with ZH66
Temperature stability:	max. +120°C dry heat	

### Drying times:

Dust-dry: after approx. 30 minutes  
 Fast to handling: after approx. 6 hours

The values indicated are subject to fluctuations referring to colour shade and application process.

### Working temperature

+5°C to +35°C / max. 85 % rel. humidity of air

The substrate temperature must be at least 3°C above the dew point of the ambient air. The relative humidity of air should not exceed 85%.

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### Priming:

Depending on the requirements NOVATIC products from the ranges SOLVATIC or AQUATIC such like e.g. ZG20, AG26, AG30 are suitable. The surface to be coated has to be free from loose substances that may prevent good adhesion.

### Pretreatment of the subgrade:

In all cases residues which reduce adhesion, such as oil, grease, dust, mill scale etc, must be removed.

### Application:

Brush/roller: Ready-to-use. The coating material should be applied evenly. Please use short-haired lambskin rollers.

High pressure:  
spraying: Processing at a spray viscosity of 22 – 30 s / 4mm  
Air pressure: 4.0 – 5.0 bar  
Nozzle: 1.5 – 1.8 mm

Airless-spraying: Usually in delivery form. If necessary max. 5% weight SOLVATIC thinner can be added.  
Minimum pressure: 120 bar  
Nozzle: 0.28 - 0.35 mm

### Storage and identification according to hazardous substance / workplace safety regulations:

For other labelling according to valid hazardous substance regulations see the associated Material Safety Data Sheets and labels.

### Storage life:

Approx. 12 month (parent paint) and 6 month (hardener) in case of proper storage of non-opened drums at +5 °C to +25 °C.  
**Please protect from heat and freeze.**

### Safety and protection measures:

At processing please respect the field given regulations for safety and health measures BGR 500, chapter 2.29 as well as the actual EC safety directives. When liquid the contents must not be let out into waste waters.

Data and recommendations are appropriate for up to date state of product and are made for information of our buyers. This does not free the buyer of testing the products on appropriation and application of the products. We guarantee for spotless quality in the frame of our common conditions of business. Herewith all previous technical data ceases to be valid.

### For more information, please contact:

Dresdner Lackfabrik novatic GmbH & Co. KG • Clemens-Müller-Strasse 5 • 01099 Dresden • Deutschland  
Telefon: 0049 (0) 351 8 29 91 - 0 • Telefax: 0049 (0) 351 8 04 14 43 • E-Mail: [info@novatic.com](mailto:info@novatic.com)