

■ **FIELDS OF APPLICATION** As a monolayer or top coating for cast steel- or cast aluminium gas-bottles.

■ **PRODUCT PROPERTIES** GEWITEX-W142 is a waterborne, monolayer coating material based on a special alkyd/acrylic combination. It contains high-grade corrosion protection pigments, free from lead and chromate.

GEWITEX-W142 is air-drying. The drying process can be accelerated if temperatures are raised to 50 to 80 °C (circulated air).

The material can be applied by spraying (e.g. airless, airmix, high pressure). Layers of 60 to 80 µm can be achieved in one working operation.

**PRODUCT DATA** GEWITEX-W142

**Product number** W142-S.... (depending on colour)

**Colours** RAL colours  
Other colours on request

**Degree of gloss** satin glossy

**Gloss 60°  
DIN 67530 (SKT)** 55 to 65

**Viscosity of delivery  
ISO/6mm** 60 to 90 s

**Shelf life** At least 6 months in original cans at normal temperature

**Appropriate thinner** Demineralised water

**Theoretical parameters** GEWITEX-W142, dusty grey RAL 7037, W142-S7037

| Density<br>(g/mL) | Solid content<br>(weight %)           | VOC-content                         |                                       | Solid content by volume                |         |
|-------------------|---------------------------------------|-------------------------------------|---------------------------------------|--|---------|
|                   |                                       | (weight %)                          | per 10 µm DFT*<br>(g/m <sup>2</sup> ) | (%)                                    | (mL/kg) |
| 1.25              | 52                                    | approx. 5                           | 1.5                                   | 41                                     | 330     |
| DFT<br>(µm)       | Calculated wet-film<br>thickness (µm) | Consumption<br>(kg/m <sup>2</sup> ) |                                       | Spreading rate<br>(m <sup>2</sup> /kg) |         |
| 60                | 145                                   | 0.180                               |                                       | 5,6                                    |         |

- Remarks
- All values are relevant for the mixture in case of two-pack materials
  - DFT: Dry film thickness
  - All values named are approximate values and relevant for the quality (colour).  
The values may differ slightly for other colours.
- \* baseline for calculation: consumption in g/m<sup>2</sup> at DFT 10 µm

**Notes referring to  
Directive 2004/42/EC  
„Decopaint-Directive“**

| Subcategory as referred<br>to in Annex IIA     | VOC limit values<br>(Phase II from 2010) | Max. VOC content of the product<br>in its ready for use condition<br>(including the max. amount of diluents as<br>given in "Application methods" ) |
|--|--|--|
| i ("One-pack performance<br>coatings") Type WB | 140 g/l                                  | < 140 g/l  |

■ **INSTRUCTIONS  
FOR APPLICATION**

**Surface preparation**

All parts have to be clean and dry.  
Grease, oil and other pollutants have to be removed thoroughly.

**Air and surface  
temperature**

Optimal results at temperatures of 15 to 20 °C, not below 10 °C

**Relative humidity**

Optimal results at 50 to 70 %, max. 80 % relative humidity.  
Do not apply under dew point conditions!

**Comments on processing**

**Application methods**

| Means of application / parameters   | attainable dry film thickness per operation (approx.) | Addition of demineralised water |
|---|---|---------------------------------|
| High pressure/air spraying<br>Nozzle diameter: 1.3 to 1.5 mm<br>Pressure: 3 to 4 bar  | 60 to 80 µm   | 0 to 3 %                        |
| Airmix spraying<br>Nozzle diameter: 0.28 to 0.33 mm<br>Material pressure: 50 to 70 bar<br>Pressure: 0.8 to 1.3 bar  | 60 to 80 µm   | -                               |
| Electrostatic bell atomizer<br>Recommended value:<br>(high-speed rotating atomizer)<br>Voltage: 60 to 70 kV<br>Drive/bell approx. 20000 rpm<br>Pressure: approx. 2 bar<br>Viscosity: 40 to 60 s / 4mm | 60 to 80 µm   | 0 to 3 %                        |

Remarks

- The statement is related to a temperature of approximately 20 °C and 60 % relative humidity
- The parameters mentioned above are recommendations respectively rough guides. In practise other values could be necessary.

**Drying and curing times**

At a temperatures of approx. 20 °C:

**Air drying**

Dry to touch after approx. 40 to 50 minutes  
Tack free after 2 to 3 hours  
dried through after approx. 7 days

**Forced drying**

Flashing-off 10 to 15 minutes at 30 to 40 °C,  
drying 20 to 30 minutes at 50 to 70 °C  
Tack free approx. 30 minutes after cooling down  
dried through after approx. 4 days

■ **SAFETY MEASURES**

The relevant data concerning safety measures can be found in the material safety data sheet of this product.

The valid issue of the material safety data sheet is available from our website [www.geholit-wiemer.de](http://www.geholit-wiemer.de).

The statements made here are based on the present state of our knowledge. We do not assume liability for damages resulting from the use of the material or from any advice given by our employees. In this respect, any advice given by our employees has to be seen as not binding. The processor is responsible for the supervision of construction, the maintaining of process guidelines and the observation of the established rules of techniques, even if our employees are present at the time our material is being applied.

This information is subject to modifications due to technical improvements. The latest edition of this information replaces all previous issues.