LACK– UND KUNSTSTOFF– CHEMIE GMBH

TECHNICAL INFORMATION

GEHOTEX-W911
RWE-Code-No. DB-11-H-9016
DB-11-H-2009

Top-Coating for steel constructions
- Aircraft warning colours –
- waterborne -

■ FIELDS OF APPLICATION

Together with suitable primer coatings for high-grade corrosion protection of steel girder constructions as well as for hot dip galvanised steel constructions, e.g. steel pylons (electricity pylon) for flight warning areas.

■ PRODUCT PROPERTIES

GEHOTEX-W911 is a one-pack coating material based on waterborne acrylic dispersion.

GEHOTEX-W911 is preferably applied by brush application. A dry film thickness of 60 to 80 µm can be achieved in one working operation.

Temperature resistance: up to 80 °C (thermoplastic)

■ PRODUCT DATA

				RWE-Code-No.
Product number and colours	W911-F9016	traffic white	approx. RAL 9016	DB-11-H-9016
	W911-F2009	traffic orange	approx. RAL 2009	DB-11-H-2009

Degree of gloss flat

Form of delivery Ready for brush-application

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

Suitable thinner Demineralised water or water of low hardness (also for cleaning of working equipment)

Theoretical parameters

GEHOTEX-W911, W911-F9016

Density (g/mL)	Solid content (weight %)	VOC-content (weight %)	VOC-content per 10 µm DFT* (g/m²)	Solid content by volume (%)	Solid content by volume (mL/kg)
1.3	60.2	4	1.1	48	368

DFT (µm)	Calculated wet-film thickness (µm)	Consumption (kg/m²)	Spreading rate (m²/kg)
80	166	0.217	4.6 = 6.0 m²/L

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/m² at DFT 10 µm

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

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

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■ COATING SYSTEMS

The coating system can be found in the current version of the RWE directive for corrosion protection.

■ INSTRUCTIONS FOR APPLICATION

Surface preparation

Existing primer and intermediate coatings must be intact as well as dry and clean.

Air and surface temperature

Optimal results at temperatures of 15 to 25 °C, not below 10 °C

Relative humidity

Max. 80 % relative humidity

The surface temperature of the parts to be coated must be at least 3 °C above the dew point of the surrounding air throughout the application. (see basic specification for corrosion protection DIN EN ISO 12944-7)

Remarks for the outdoor application

The application should be avoided at the following weather conditions:

- very strong wind
- high surface and air temperatures (more than 35 °C)
- no air circulation at processing conditions near the dew point
- heavy rains during the application or within the drying process (1 to 3 hours depending on weather conditions and object)

- in some cases it is possible to applicate at temperatures up to 40 °C. Therefore a faster curing as well as lower dry film thicknesses (max. approx. 60 µm) have to be accepted.

Comments on processing

Application methods

Means of application / parameters	recommended nominal dry film thickness per working operation	Addition of demineralised water
Brush application	60 to 80 µm	undiluted
In case of brush application several working operations can be necessary to obtain a uniform layer thickness and appearance. Among other things this depends on the colour, the processing procedures and equipment, the ambient conditions and the geometry of the parts to be coated.		

Remarks

- The values above are related to a temperature of approximately 20 °C and are recommendations respectively rough guides. In practice it may be necessary to make modifications.

Cleaning of equipment

With water

Drying and curing times Related to a nominal dry film thickness of 80 µm and 20 °C, 60 % relative humidity

Dry to touch:	After approx. 50 minutes
Tack free:	After approx. 2 hours
Over-coating:	After 16 hours
Dried through:	After 48 hours

■ **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.