



Information  
Caparol Haftgrund

# Haftgrund

Wash primer for emulsion and silicate emulsion paints.  
For interior use. Emission-minimised and solvent-free.



## Product Description

**Field of Application**

White pigmented, special priming paint (wash primer) for covering priming coats on interior surfaces before applying finishing coats of synthetic emulsion paint or silicate emulsion paint. Suitable as an adhesion promoting priming coat on smooth, sound/stable substrates, e.g. gypsum plasterboards, concrete, as well as slightly absorbent gypsum plasters in mortar groups Plc - PIII, PIV and gypsum building boards.  
Particularly suitable for plasterboards: The risk of spalling is noticeably minimised, when the primer is used on thin-layered gypsum filler coatings.  
Suitable as grip promoting priming coat on smooth, slightly absorbent substrates before the application of all types of wallpapers.

**Material Properties**

- Emission-minimised, solvent-free, unplasticized.
- Easy to apply, water-dilutable, ecologically compatible, low odour.
- Diffusion-capable,  $s_d$  value 0.03 m (tinting may cause variation).
- High adhesion to the substrate.
- Good hiding power (opacity).
- Grip promoting priming coat for silicate emulsion paints on substrates not allowing a proper silification.

**Material Base / Vehicle**

Modified synthetic dispersion/emulsion according to German standard DIN 55945.

**Packaging/Package Size**

- **Standard Product:** 5 l, 12.5 l    **Airfix:** 25 l hobbock, 120 l paint barrel

**Colours**

White.  
The wash primer can be tinted to a max. of 25 % with CaparolColor or AmphiColor® (AVA) colourants.

Haftgrund is tintable via the ColorExpress tinting & mixing machine system in bright shades of all current colour collections to luminosity/lightness index (LI) approx. 70.

**Storage**

Keep in a cool, but frost-free place.

**Technical Data**

- **Density:**    Approx. 1.7 g/cm<sup>3</sup>

Suitability according to  
Technical Information No. 606  
Definition of Application Areas

Interior 1	Interior 2	Interior 3	Exterior 1	Exterior 2
+	+	+	-	-
(-) inapplicable / (o) of limited suitability / (+) suitable				



## Application

Suitable Substrates	The substrates must be sound/stable, dry, clean, and free from all substances that may prevent good adhesion. In Germany: Follow VOB, Part C, DIN 18 363, section 3.
Substrate Preparation	See Technical Information No. 650 for suitability of the primer on different substrates and their special pre-treatment.
Surface Coating System	Haftgrund is usually applied undiluted, but can be adjusted to working consistency to a max. of 5 % with tap (potable) water or CapaSol, if necessary.
Consumption	Approx. 150 - 200 ml/m <sup>2</sup> on smooth surfaces. On roughly textured substrates correspondingly more. Determine the exact amount of material required by coating a test area on site.
Application Conditions	<b>Lower Temperature Limit for Application and Drying:</b> +8 °C for product, substrate and ambient air.
Drying/Drying Time	At +20 °C and 65 % relative humidity recoatable after approx. 12 hours. Lower temperatures and higher humidity extend the drying time.
Tools	Haftgrund is applicable by paint roller (14 - 16 mm piles), brush and spraying equipment.  <b>Airless application:</b> Spray angle: 50° Nozzle size: 0.021" – 0.025" Spray pressure: 150 - 180 bar Equip the spray gun with a filter (green, rough type), suitable for emulsion paints. Stir well and sieve the priming paint before use.
Tool Cleaning	Clean tools/equipment immediately after use with water.
Note	<b>Compatibility with other Materials:</b> To retain the specific properties, the product must not be mixed with any other materials except CapaSol, CaparolColor or AmphiColor® (AVA) and ColorExpress colourants.

## Advice

German Certificates	The Fraunhofer Wilhelm-Klauditz-Institute (WKI) has audited the inoffensive application for interior use. The material is certified with German TÜV quality mark "pollutant-tested /supervised manufacturing process". German test certificate is available on request.
Please Note (Status as at Date of Publication)	Keep out of reach of children. Avoid release to the environment. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water. Further information: See Material Safety Data Sheet (MSDS).
Disposal	Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. Particular attention should be made to removing wastage from site in compliance with standard construction site procedures. In Germany: Only completely empty containers should be handed in for recycling. Dispose containers with residues of liquid product via waste collection point accepting old paints and enamels. Dispose dried/hardened product residues as construction site/demolition/municipal or domestic waste.
EU limit value for the VOC content	of this product (category A/a): max. 30 g/l (2010). This product contains < 1 g/l VOC.
Product Code Paints and Enamels	M-GP01 (Germany)
Substances of Content - Declaration	Polyacrylic resin dispersion/emulsion, titanium dioxide, calcium carbonate, silicates, water, alkali metal silicate, additives.
Technical Assistance	As it is impossible to list herein the wide variety of substrates and their specific problems, please request our technical assistance in case of queries. We will describe appropriate working methods, if a substrate not specified above is to be coated.
Customer Service Centre	Tel.: +49 06154- 71 7 1710 Fax: +49 05154- 71 7 1711 e-mail: kundenservicecenter@caparol.de  International Distribution: Please see www.caparol.com

### Technical Information No.658 · Issue: July 2016

All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/ applicator from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. Our general conditions of sale and delivery in their latest edition apply. This document is a translation of our German Technical Information No.658 · Haftgrund · Issued: March 2016

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, (EC) 2015/830



## Haftgrund

Version	Revision Date:	Print Date	Date of last issue: 26.10.2016
1.2	17.01.2018	18.01.2018	Date of first issue: 29.01.2015

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name : Haftgrund

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub- : Water-borne coatings  
stance/Mixture

Recommended restrictions : within adequate application - none  
on use

### 1.3 Details of the supplier of the safety data sheet

Company : Caparol Farben Lacke GmbH  
Roßdörfer Straße 50  
64372 Ober-Ramstadt

Telephone : +496154710  
Telefax : +49615471222  
E-mail address Respon- : msds@dr-rmi.com  
sible/issuing person

### 1.4 Emergency telephone number

Emergency telephone num- : +49615471202  
ber 1

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Precautionary statements : P101 If medical advice is needed, have product container or  
label at hand.  
P102 Keep out of reach of children.

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### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the product. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow product to enter drains, waterways or soil. Clean utensils immediately after use with soap and water.

Use P2 dust filter for grinding.

When spraying, use face mask with particle filter P2 against spray dust.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Dispersion-based primer, aqueous

#### Hazardous components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Substances with a workplace exposure limit :			
titanium dioxide	13463-67-7 236-675-5 01-2119489379-17		>= 1 - < 5

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : First aider needs to protect himself.  
Move out of dangerous area.  
If you feel unwell, seek medical advice (show the label where possible).
- If inhaled : Move to fresh air.
- In case of skin contact : In case of contact, immediately flush skin with soap and plenty of water.  
Do NOT use solvents or thinners.
- In case of eye contact : Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.  
Remove contact lenses.  
If eye irritation persists: Get medical advice/ attention.
- If swallowed : If swallowed, DO NOT induce vomiting.  
Clean mouth with water and drink afterwards plenty of water.  
Seek medical advice.

### 4.2 Most important symptoms and effects, both acute and delayed

None known.

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### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : None known.

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : In case of fire hazardous decomposition products may be produced such as:  
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : The product itself does not burn.  
Standard procedure for chemical fires.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Do not get in eyes, on skin, or on clothing.  
Material can create slippery conditions.  
Use protective shoes or boots with rough rubber sole.

### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.  
Prevent further leakage or spillage if safe to do so.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

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- Advice on safe handling : No special technical protective measures required. For personal protection see section 8.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands before eating, drinking, or smoking.

### 7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store at room temperature in the original container. To maintain product quality, do not store in heat or direct sunlight. Perishable if frozen.
- Advice on common storage : Keep away from oxidizing agents and strongly acid or alkaline materials.
- Storage class (TRGS 510) : 12, Non Combustible Liquids

### 7.3 Specific end use(s)

- Specific use(s) : Please follow the technical information of the manufacturer.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
titanium dioxide	13463-67-7	AGW (Inhalable fraction)	10 mg/m <sup>3</sup> (Titanium dioxide)	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)			
Further information	General dust value. For this substance no specific occupational exposure limit value is established, since the AGS does not yet have information regarding unspecific action on the respiratory organs in excess of the normal values., Commission for dangerous substances, Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).			
		AGW (Alveolate fraction)	1,25 mg/m <sup>3</sup> (Titanium dioxide)	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)			
Further information	General dust value. For this substance no specific occupational exposure limit value is established, since the AGS does not yet have information regarding unspecific action on the respiratory organs in excess of the normal values., Commission for dangerous substances, Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).			

### 8.2 Exposure controls

#### Personal protective equipment

- Eye protection : Safety glasses

German trade association rules - BGR 192 Eye protection

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Hand protection

- Material : Nitrile rubber
- Glove thickness : 0,2 mm
- Protective index : Class 3

Remarks : Wear suitable gloves tested to EN374. Before removing gloves clean them with soap and water.  
German trade association leaflet: Carry gloves (ZH 1/706)

Skin and body protection : Long sleeved clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
Skin should be washed after contact.

Respiratory protection : No personal respiratory protective equipment normally required.  
During spray application: Do not breathe spray dust. Use A2/P2 combination filter for paint spraying.  
  
German trade association rules - BGR 190 Breathing protection

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance : liquid
- Colour : No data available
- Odour : No data available
- Odour Threshold : Not relevant
- pH : 11,4
- Melting point/freezing point : not determined
- Boiling point/boiling range : 100 °C
- Flash point : Not applicable
- Evaporation rate : Not applicable
- Flammability (solid, gas) : The product is not flammable.
- Upper explosion limit / Upper flammability limit : not determined
- Lower explosion limit / Lower flammability limit : not determined
- Vapour pressure : not determined



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Relative vapour density : not determined

Relative density : not determined

Density : 1,7000 g/cm<sup>3</sup>

Solubility(ies)  
Water solubility : insoluble

Partition coefficient: n-octanol/water : not determined

Auto-ignition temperature : not determined

Decomposition temperature : Not applicable

Viscosity  
Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Flow time : No data available

Explosive properties : Not applicable

Oxidizing properties : Not applicable

### 9.2 Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

Conditions to avoid : Protect from frost, heat and sunlight.

### 10.5 Incompatible materials

Materials to avoid : Incompatible with oxidizing agents.  
Incompatible with acids and bases.

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

**Product:**

Acute oral toxicity : Remarks: Based on available data, the classification criteria are not met.

Acute inhalation toxicity : Remarks: Based on available data, the classification criteria are not met.

Acute dermal toxicity : Remarks: Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

**Product:**

Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

#### Serious eye damage/eye irritation

**Product:**

Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

#### Respiratory or skin sensitisation

**Product:**

Remarks: No data available

#### Further information

**Product:**

Remarks: Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Product:**

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

### 12.2 Persistence and degradability

**Product:**

Biodegradability : Remarks: No data available

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### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: No data available

### 12.4 Mobility in soil

**Product:**

Mobility : Remarks: No data available

Stability in soil : Remarks: No data available

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Other adverse effects

**Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local, regional, national and international authorities.

Contaminated packaging : Only completely emptied containers should be given for recycling.

Waste Code : No data available

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## SECTION 14: Transport information

### 14.1 UN number

Not regulated as a dangerous good

### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

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### 14.4 Packing group

Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.  
see sections 6-8

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

Water contaminating class : 1 slightly water endangering  
(Germany) Classification according to AwSV, Annex 1 (5.2)

Product code for laquers and : M-GP01 Water-based primers, pigmented  
paints / Giscode

. : BSW10 Coating materials, water-based, low preservative  
content

Volatile organic compounds : Directive 2004/42/EC  
< 0.1 %  
< 1 g/l

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

## SECTION 16: Other information

### Full text of other abbreviations

DE TRGS 900 : Germany. TRGS 900 - Occupational exposure limit values.  
DE TRGS 900 / AGW : Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECS - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Invento-

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ry; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### **Other information:**

**No exposure scenario communication is required for this product according to REACH Regulation No. 1907/2006 EC.**

This product is a mixture and does not contain Substances of Very High Concern (SVHC) equal or above 0.1%. Therefore no advised uses have to be defined and no chemical safety assessment has to be generated.

Communication of Uses is not required in accordance with REACH Article 31(1)(a) - registered substances / mixtures do not meet the criteria for classification as hazardous in accordance with Regulations 1272/2008 EC or 1999/45/EC.

#### **Sources of key data used to compile the Safety Data Sheet:**

ECHA WebSite

ACGIH (American Conference of Government Industrial Hygienists). 2014 TLVs and BEIs.

Threshold Limit Values (TLVs) for chemical substances and physical agents and Biological Exposure Indices (BEIs) with Seventh Edition documentation. 2014 ACGIH, Cincinnati OH

NIOSH - Registry of toxic effects of chemical substances

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX'S - Dangerous properties of industrial materials

GESTIS - Database on hazardous substances - Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA, Institute for Occupational Safety and Health of the German Social Accident Insurance)

Toxnet - Toxicology Data Network

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

### REACH Information

According to our legal obligation we implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). We will adjust and update our safety data sheets on a regular base in accordance with the information of our upstream-suppliers. As usual we will inform you about the adjustments.

Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly. This will be put into practice depending on the register-deadline of the substances involved during the transition period from December 1, 2010 till May 31, 2018.

DE / EN

# Haftgrund



## technical data

Specific use(s)	Water-borne coatings
Density	1,70 g/cm <sup>3</sup>
consumption	200 ml/m <sup>2</sup>

## Components

product code/GISCODE	M-GP01
preservatives	not contained
VOC content in accordance with Directive 2004/42/EC	< 0.1 %
VOC-indhold LEED [less water]	< 1 g/l
solvent and plasticiser-free in accordance with VdL- RL 01	yes
water-dilutable in accordance with 2004/42/EC (Decopaint)	yes
lead, cadmium, chromium VI * (* not contained in the formulation)	not contained

## environmental labels

TüV/WKI	yes
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building certifications

suitability for DGNB criteria ENV 1.2 (2012) "Risks for the Local Environment"

No.	application site	product type	QS 1	QS 2	QS 3	QS 4
2	Liquid coatings on primarily mineral undercoats, such as concrete, masonry, mortar, filler, plaster, wallpaper, fleece or plasterboard. Floor space and thoroughfares such as underground car parks, access roads, etc are not taken into account.	Decorative paints, decorative fillers, dust-binding coatings, floor coverings without special resistance requirements, concrete protection coatings	yes	yes	yes	yes
27	Factory-coated components, e.g. façade elements, doors, radiators, etc. Galvanising is not considered coating under this criterion.	primer and top coating (e.g. paints, varnishes)	yes	yes	yes	yes

Suitability for use in accordance with LEED	category (IEQ4.2 - 2009)	primer, sealer or undercoat
	VOC limit	100 g/l
	below limit	yes
recycling share	not contained	
production location	DAW SE Roßdörfer Straße 50 DE-64372 Ober-Ramstadt	