

Technical Data Sheet

## HENSOTOP WB Green



Single component water-based top coat for HENSOTHERM® water-based fire protection coatings for indoor use

### SUBSTRATES / PROPERTIES / ENVIRONMENT

Substrates: HENSOTHERM® water-based fire protection coatings

- Fast drying coating based on water-based polymer
- VOC <25g/l, VOC 3,5g/m<sup>2</sup> at nominal stratum thickness
- Suitable for sustainable building
- No labeling required / Contains no halogens, TCEP / TCPP, SVHC, lead, cadmium, mercury, bromine, silicone and plasticisers

### PRODUCT DATA

#### HENSOTOP WB Green

**Colour:** RAL, DB, Sikkens or in individual colour shades available  
**Gloss level:** Silky matt (<30 gloss units at 60°) / The gloss level varies depending on the colour shade.  
**Packaging:** 5 kg and 10 kg in one-way pails

**Preparation:** Stir well before use!

**Thinning and/or Cleaning** with water

**Storage and transport:** Transport and store at temperatures between + 5 °C and + 30 °C. The containers must be protected from frost and direct sunlight! Opened containers must be carefully resealed.

**Shelf life:** The minimum shelf life of unopened containers at a storage temperature of + 20 °C is 6 months from the date of manufacture. Outside this storage temperature, the minimum shelf life may be reduced.

#### HENSOTOP WB Green / Reference values (theoretical values without losses)

|  |   |                               |
|--|---|-------------------------------|
| Specific gravity (g/ml)<br>1.3                 | Coverage rate (m <sup>2</sup> /kg)<br>5.4 | Volume solid (%)<br>42        |
| Consumption rate (kg/m <sup>2</sup> )<br>0.185 | Wet film thickness (µm)<br>145            | Dry film thickness (µm)<br>60 |

### APPLICATION INSTRUCTIONS

Recommendation at temperatures of approx +20 °C



Airless



Roller / Brush

|                          |             |     |
|--------------------------|-------------|-----|
| Nozzle size (inch)       | 0.009–0.013 | -   |
| Operation pressure (bar) | 120–150     | -   |
| DFT* per layer (µm)      | 60          | 60  |
| Thinning with water (%)  | 0–3         | 0–3 |

\*DFT = Dry film thickness

| Drying time at 60 µm DFT  | Ambient temperature +20 °C                       |
|---|--|
|  Dust dry:<br>Dried through: | after approx 45 minutes<br>after approx 24 hours |

**Note:** Do not apply the top coat before the HENSOTHERM® fire protection coating is fully dried! At the earliest after 24 hours and after a positive fingernail test.

## APPLICATION INSTRUCTIONS

### Use

HENSOTOP top coats offer the possibility of coloured design, protection against moisture and should be applied when the surfaces, during the usage, are exposed to environmental influences, regular cleaning and similar external influences.

- Material, substrate and ambient temperature > +10 °C
- Relative humidity <80 %
- Application by brush, short pile velour or mohair paint roller or airless spraying

### Note:

- If steel and wooden surfaces are regularly exposed to intense heat / high temperatures > +45 °C, do not use dark colours as a top coating.
- If HENSOTOP WB Green must be applied out of different batches, mix both materials (of the same colour shade) together before application.
- Colour shades containing metallic pigments may change by thinning with water or by application by brush or roller.



**Air and surface temperatures:** The temperature of the steel surface and the ambient temperature must remain between +15 °C up to +25 °C during the coating procedure. Not below +10 °C or above +30 °C! During the application, the surface temperature of the coated part must be at least +5 °C above the dew point of the ambient temperature!



**Relative humidity** max. 80 %

## COATING SYSTEMS

|                         | Products  |
|-------------------------|---|
| Primer                  | HENSOGRUND WB Green, HENSOGRUND 1K AK, HENSOGRUND 1966 E+, HENSOGRUND 2K, HENSOGRUND 2K EP      |
| Fire protection coating | HENSOTHERM® 410 KS, HENSOTHERM® 421 KS, HENSOTHERM® 461 KS, HENSOTHERM® 471 KS                  |
| Top coat                | HENSOTOP WB Green is available in RAL colour shades and on request in individual colour shades. |

## GROUPS OF COLOUR SHADES (RAL)

|           |   |
|-----------|---|
| Standard  | white, 7016, 7035, 9002   |
| Group I   | 1001, 1013, 1014, 1015, 1019, 1020 / 4009 / 5007, 5008, 5009, 5018 / 6000, 6003, 6006, 6011, 6012, 6013, 6014, 6015, 6019, 6020, 6027, 6028, 6033, 6034 / 7000, 7001, 7002, 7003, 7004, 7005, 7006, 7008, 7009, 7010, 7011, 7012, 7013, 7015, 7021, 7022, 7023, 7024, 7026, 7030, 7031, 7032, 7033, 7034, 7036, 7037, 7038, 7039, 7040, 7042, 7043, 7044, 7045, 7046, 7047, 8000, 8002, 8015, 8016, 8017, 8019, 8022, 8024, 8025, 8028 / 9001, 9004, 9010, 9011, 9016, 9017, 9018 |
| Group II  | 1000, 1011, 1024 / 3007, 3009, 3011, 3012, 3015 / 5000, 5001, 5002, 5004, 5012, 5014, 5015, 5021, 5023, 5024 / 6008, 6016, 6021, 6022, 6025, 6032 / 8001, 8003, 8004, 8007, 8008, 8011, 8012, 8014 / 9005   |
| Group III | 1002, 1018, 1034 / 2001, 2010, 2012 / 3000, 3013, 3014, 3017, 3018, 3022 / 4001, 4002 / 5003, 5005, 5010, 5011, 5013, 5017, 5019, 5020, 5022 / 6001, 6002, 6005, 6007, 6009, 6010, 6018 / 8023 / ca. 9006, ca. 9007, ca. DB 701, ca. DB 702, ca. DB 703, ca. DB 704   |
| Group IV  | 1003, 1005, 1006, 1012, 1016, 1017, 1027, 1033 / 2000, 2002, 2003, 2008, 2009, 2011 / 3001, 3002, 3003, 3004, 3005, 3016, 3027, 4006  |
| Group V   | 1004, 1007, 1021, 1023, 1028, 1032 / 2004 / 3020, 7048  |

Special colour shades according Sikkens or samples available on request – minimum quantity 10 kg.

## PRECAUTIONS FOR SAFETY USE



Use HENSOTOP WB Green in accordance with all applicable local and national regulations.  
**Giscode: BSW10**

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