

Technical Data Sheet

HENSOTOP SB

Single component solvent-based top coat for HENSOTHERM® fire protection coating systems for indoor and outdoor use

SUBSTRATES / PROPERTIES

Substrates: HENSOTHERM® fire protection coatings

- Solvent-based, 1-pack top coat based on acrylic resin
- Fast drying
- Halogen-free

PRODUCT DATA

HENSOTOP SB

Colour: RAL, DB, Sikkens or samples available

Gloss level: Silky matt (<30 gloss units at 60°) / The gloss level varies depending on the colour shade.

Packaging: 5kg, 10kg and 25kg tin pails / Standard colour shades also available in 2.5kg tin pails

Preparation: Stir well before use!

Thinning with HENSOTHERM® V 45 max. 10% | **Cleaning** with HENSOTHERM® V 45

Shelf life: 12 months in unopened original pails at ambient temperatures in dry conditions

HENSOTOP SB / Reference values (theoretical values without losses)

Specific gravity (g/ml) 1.2	Coverage rate (m²/kg) I: 6.5 A: 4.5	Volume solid (%) 49
Consumption rate (kg/m²) I: 0.145-0.175 O: 0.195-0.245	Wet film thickness (µm) I: 125-150 O: 170-225	Dry film thickness (µm) I: 60-70 O: 80-100

I = Indoor use | O = Outdoor use

A PPLICATION 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)	60-70	60-70
Thinning with thinner (%)	0-10	0-10

*DFT = Dry film thickness

Drying time at 60µm DFT	Ambient temperature +20 °C
 Dust dry: Ready for overcoating: Dried through:	after approx 45 minutes after approx 24 hours after approx 48 hours

APPLICATION INSTRUCTIONS

Use / Application

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

- 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 surfaces or wood components are regularly exposed to intense heat / high temperatures > +45 °C, do not use dark colours as a top coating.
- If HENSOTOP SB 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 + 35 °C! During the application and the drying, the surface temperature of the coated part must be at least + 3 °C above the dew point of the ambient temperature and up to a maximum temperature of ≤ + 35 °C!



Relative humidity max. 80 %

COATING SYSTEMS

Products

Primer

HENSOGRUND WB Green, HENSOGRUND 1K AK, HENSOGRUND 1966E, HENSOGRUND 2K, HENSOGRUND 2K PU, HENSOGRUND 2K EP

Fire protection coating

HENSOTHERM® 410 KS, HENSOTHERM® 421 KS, HENSOTHERM® 461 KS, HENSOTHERM® 471 KS, HENSOTHERM® 310 KS, HENSOTHERM® 370 KS

Top coat

HENSOTOP top coats are available in RAL or DB 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, 8004, 8015, 8016, 8017, 8019, 8022, 8024, 8025, 8028 / 9001, 9003, 9004 , 9010, 9011 , 9016, 9017 , 9018
Group II	1000, 1011 , 1024 / 3007, 3009, 3011 , 3012, 3015 / 4005 / 5000, 5001, 5002, 5004, 5005 , 5012, 5014, 5015, 5019, 5021, 5023 , 5024 / 6004, 6008, 6016 , 6017, 6021, 6022, 6025 , 6032 / 8001, 8003, 8007, 8008, 8011, 8012, 8014 / 9005 , 9006, 9007, DB 701, DB 702, DB 703
Group III	1002, 1007, 1012, 1017, 1018, 1034 / 2001 , 2003, 2004, 2008, 2010, 2012 / 3000, 3001, 3002, 3005, 3013, 3014, 3017, 3018, 3022, 3027, 3031 / 4001, 4002, 4003, 4006, 4007, 4008 / 5003, 5010, 5011, 5013, 5017, 5020, 5022 / 6001, 6002, 6005, 6007, 6009, 6010, 6018, 6024, 6026, 6029 / 8023
Group IV	1003, 1005 , 1006, 1016, 1027, 1033 / 2000, 2002 , 2009, 2011 / 3003, 3004, 3016 / 4004 , 4010
Group V	1004, 1021, 1023, 1028, 1032 / 3020, ca. 6037 / 7048 / DB 301, DB 310 , DB 501, DB 502, DB 503, DB 510 , DB 601, DB 704, other DB colour shades on request

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

Note: Due to thermal heating of the steel or wood components and possible blistering from residual solvent retention or on wood due to wood moisture, when using HENSOTHERM® 310 KS / HENSOTHERM® 370 KS as well as using the HENSOTHERM® 2 KS systems, do not use dark colours, such as the bold marked colour shades, as top coating whether for outdoor use or indoor use behind glass facades. We do not assume any warranty.

PRECAUTIONS FOR SAFETY USE



Use HENSOTOP SB in accordance with all applicable local and national regulations.
Giscode: BS60

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