



# STRUB Havotherm BS-PG blue

Cold and corrosion protection for household heating systems and fire protection systems (sprinklers)  
Biodegradable

Art.-No. 30253

## Base

Mixture of corrosion inhibitors and monopropylene glycol with max. 20 % glycerol.

## Specifications

Complies with all international specifications for antifreeze systems in terms of material compatibility, temperatures, long-term use, corrosion, etc.  
Afnor R15-601 - D3306/D4656/D4985 - BS 6580.

## Application

In all fire protection systems as cold protection and as corrosion protection for the entire pipework system. Including \*30% vol. in torch welding systems.

## Features

Havotherm BS-PG contains very effective rust-inhibiting inhibitors and is especially characterized by its hard water resistance (no riveting, no precipitation, no flocculation), and the excellent, all-round corrosion protection on all materials. It guarantees the best frost resistance and is thus an excellent long-term protection for all fire protection systems that are endangered by outside temperatures.

## Technical data

Color	blue
Spec. weight at 20 °C	1.076 g/ml
Refraction at 20 °C	1.436
Flash point	> 105 °C
pH-value concentrate	9.3
pH value 50 % in water	8.9
Reserve Alkalinity (pH value 5.5)	3.1 ml 0.1 m HCl
WGK Water hazard class	WGK 1

## Guide values Thinner: BS-PG Blue

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Vol. %	25	30	35	40	45	48	50
Art.No.	30531	30152	30203	30196	30266	30145	31224
Antifreeze °C Ice crystals	- 10	- 13	- 17	- 21	- 26	- 30	- 33
Antifreeze °C Crystal mush	- 14	- 18	- 23	- 28	- 31	- 35	- 42
Reading value refractometer MPG scale	-10	-14	-18	-22	-28	-32	-35

## Note

For optimum performance and controlled quality, we recommend the use of deionized, distilled or tap water that does not exceed the following limits for the preparation of the ready-to-use dilutions:

- Hardness of max. 3.6 mmol/l
- Chlorides max. 500 ppm
- sulfates max. 500 ppm

The information in this technical data sheet is based on general knowledge and possible applications. Strub + Co. AG is not liable for damage resulting from improper use of the products. The measurement and production tolerances customary in the industry apply to the characteristic data given. In general, no legal binding force can be derived from these data. Our products are subject to continuous further development. Therefore, Strub + Co. AG reserves the right to change all technical data in this data sheet at any time and without prior notice.



**Transport**

ADR/SDR No dangerous goods

**Disposal**

LVA VeVA / EAK: 16 01 15

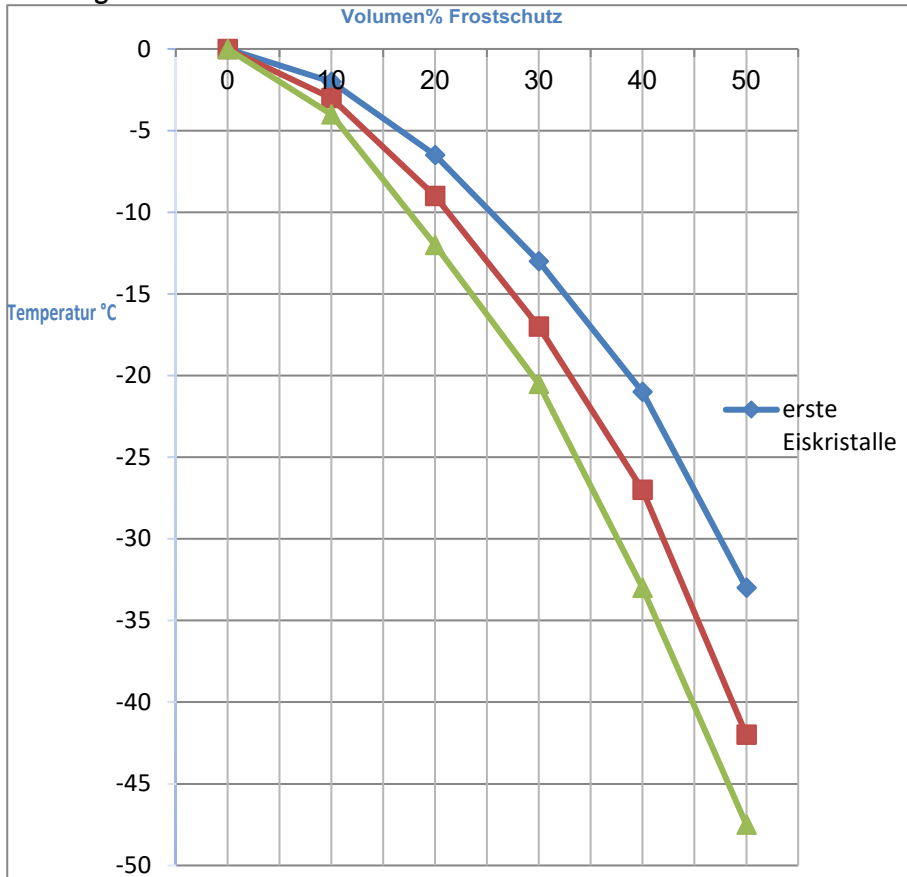
NITRITE-FREE	PHOSPHATE-FREE	AMINE-FREE	SILICATE-FREE
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We are also happy to supply you with Havotherm BS-PG ready-mixed products. Deliveries also possible in tank trucks by arrangement.

- 30531 STRUB Havotherm BS-PG 25/75 Blue (-10 °C)
- 30152 STRUB Havotherm BS-PG 30/70 Blue (-13 °C)
- 30203 STRUB Havotherm BS-PG 35/65 Blue (-17 °C)
- 30196 STRUB Havotherm BS-PG 40/60 Blue (-21 °C)
- 30266 STRUB Havotherm BS-PG 45/55 Blue (-26 °C)
- 30145 STRUB Havotherm BS-PG 48/52 Blue (-30 °C)
- 31224 STRUB Havotherm BS-PG 50/50 Blue (-33 °C)

The test method with the refractometer described in ASTM D3321 leads to an incorrect assessment due to the glycerol content, please note the reading in the table.

**Freezing behavior of Havotherm BS-PG Blue dilutions**



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