

HENSOTHERM®

HENSSEL

FIRE PROTECTION SYSTEMS

Technical Data Sheet

HENSOTHERM® 2 KS INNEN weiss



Intumescent fire protection coating for wood according to DIN EN 13501-1 for interior use – classifies solid wood and wooden materials as hardly combustible B1

Classification

- Fire behaviour is classified B - s1,d0 according to DIN EN 13501 (SBI-Test)
- Classification Report KB-Hoch-230561

Use

- Solid wood, thickness ≥ 8 mm and density ≥ 338 kg/m³
- Particle boards, thickness ≥ 8 mm and density ≥ 338 kg/m³
- Plywood for construction, thickness ≥ 8 mm and density ≥ 338 kg/m³
- For interior use only
- Protect against mechanical stress

Properties

- Intumescent coating
- Water-based coating system
- Free from halogens, APEO, borates and plasticizers
- Non-VOC according to ISO 11890-2, LEED confirmed
- Solvent-free
- Free of formaldehyde
- Colour: white matt

Application

- Check surface for appropriate adhesion: it should be free from dust, dirt, grease, wax, mould, oil, glues and whitewash
Remove existing coatings completely to the sound substrate!
- Recommended conditions for application and during drying time: temperature $> +10$ °C, relative humidity < 80 %
- Dew point must not be exceeded
- Moisture content of wood or wooden materials < 15 %
- **For all type of wood and wooden materials it is required to prepare a suitable sample area before application!**
- Priming with **HOLZGRUND AQ** or **HOLZGRUND SB** to improve adhesion and aspect of wooden surfaces. Notice Technical Data Sheet **HOLZGRUND AQ / SB**
- No thinning of **HENSOTHERM® 2 KS INNEN weiss** before application
- Stir material thoroughly free of lumps before application
- Application by: brush or roller (short pile lambswool rollers are recommended); airless spraying (compression 200 bar, flow-rate > 4 l/min, nozzle size: 0.011" – 0.019")
Remove all filters from the airless spraying system.
- **Coverage rate:** the required 350 g/m² (about 245 μ m wet) can be applied in one operation (spray, brush or roller)
- Top coating is necessary for semi-exposed use – please contact our Technical Support by phone **+49 40 72 10 62-48** or for detailed instructions
- Use **warm** water for cleaning of equipment

Drying Times

Drying time depends on relative temperature, humidity and the kind of wood. At a temperature of approx. $+20$ °C and a relative humidity of approx. 65% drying times are as follows:

HENSOTHERM® 2 KS INNEN weiss

Fully dried after approx. 48 hours

HENSOTOP SB / HENSOTOP WB Green:

- Dust-dry after approx. 4 hours
- Fully dried after approx. 12 hours

Shop Application

For shop application of **HENSOTHERM® 2 KS INNEN weiss** please contact our Technical Support by phone **+49 40 72 10 62-48** for detailed instructions.

Surface Maintenance

Do not clean with water! Do not use acid or alkaline cleaner! Do not use solvent! Surface cleaning only with a dry and smooth cloth.

Work Safety

Use **HENSOTHERM® 2 KS INNEN weiss** in accordance with all applicable local and national regulations.
Giscode: M-DF01

Environment, Health and Safety

As regulations are often revised please request for the actual safety data sheet before using this product.

Packaging

Supplied in 6 kg, 12,5 kg and 25 kg plastic pails

Storage and Transport

- **Protect from frost** during storage, transport and handling!
- Shelf-life of unopened pails: 12 months
- Opened pails must be sealed carefully

The information provided herein reflects the current state of our technical testing and experience with the use of this product. However, the buyer/user is hereby not relieved of their duty, at their own responsibility, to properly examine our materials for their suitability for the intended use based on the respective site conditions. Legal claims for damages arising from the use of this product for purposes other than, or in a manner that differs from, the description contained herein without our prior written approval are precluded and may not be asserted against us. In light of the circumstance that we have no influence over site conditions and various factors that could influence the performance and use of our product, a guarantee of results or liability, regardless of legal grounds, cannot be derived from this information or from verbal consultation provided by one of our employees unless we may be accused of intent or gross negligence. Our General Terms and Conditions apply for all other purposes (www.rudolf-hensel.de/gtc). The most recent version of our technical data sheet is valid and may be requested from the Rudolf Hensel GmbH or downloaded at www.rudolf-hensel.de. © Rudolf Hensel GmbH 05/23

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