

HENSOTHERM®

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

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