

Sika® Unitherm® 38202

Water based topcoat for wood and cable fire protection systems

Product- description

Sika Unitherm 38202 is a water based topcoat for intumescent fire protection systems on wood and cable.

Sika Unitherm 38202 is decorative finish to protect the fire protection coating against humidity and mechanical influences.

Sika Unitherm 38202 has no impact on the formation of the heat insulating foam of the intumescent coating.

Application areas:

Decorative finish for interior use to protect the fire protection systems Sika Unitherm madera and Sika Unitherm K against humidity and mechanical influences.

Characteristics:

- **Water based topcoat**
- **Does not impact the foam formation of fire protection coating**
- **Decorative finish for Sika Unitherm madera and Sika Unitherm K**
- **Simple application**

Product data

Colour shades:

white (may be tinted with usual colour paste up to max. 7%)

Packaging:

13 kg, net weight

Shelf life:

12 months from delivery in cool and dry storage conditions, original unopened containers.

Protect against frost!

Systems

Coating systems:

For wood substrates:

Intumescent coating: Sika Unitherm madera

Topcoat: Sika Unitherm 38202

For cable substrates:

Intumescent coating: Sika Unitherm K

Topcoat: Sika Unitherm 38202

Surface pre-treatment:

Prior to application of Sika Unitherm topcoat, the surface to be coated must be dry (fingernail-test), clean and free from dirt, oil, grease or any other contamination.



Technical data

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| Mass density: | Approx. 1.25 g/cm ³ |
| Solids by weight: | Approx. 52% (according to EN ISO 3251) |
| Flash point: | Not applicable |
| Consumption: | Approx. 150 g/m ² (120 ml/m ²) for 50 microns dry film thickness (120 microns wet film thickness). |

Application instructions

Preparation of coating material: Stir thoroughly, free of lumps.

Application methods:

Conventional spraying:

- air pressure 3 - 5 bar
- nozzle 1.8 - 2.5 mm or 0.07 - 0.10 inch

Airless spraying:

- material shall be applied undiluted
- airless spray equipment with transmission $\geq 30 : 1$
- hose diameter not below 3/8 "
- whipline 1/4 " may be used
- recommended nozzle size 0.27 - 0.56 mm or 0.011 - 0.023 "
- hoses must be used only for water based coatings!

Brushing and rolling:

- material shall be applied undiluted

Application conditions: Object temperature not below + 10°C, to max. + 50°C
Relative humidity max. 80%
Application temperature shall be at least ≥ 3 K above dew point. In case relative humidity exceeds 80% special measures must be taken to prevent the condensation forming while application.

Drying/Curing: At + 20°C temperature and 65% relative humidity:

- touch dry after approx. 4 hours
- fully dry after approx. 24 hours

Lower temperatures and higher relative humidity may extend drying time.

Cleaning of equipment: Immediately after use with water.

Important notice

EU Regulation 2004/42 (Decopaint Directive): The maximum allowed VOC content acc. To EU Regulation 2004/42 (product class IIA / i, type Wb) in the ready for use material is 140 g/l (limit 2010).
The maximum VOC content of Sika Unitherm 38202 is < 140 g/l VOC.

Health and Safety Information: Please observe safety instructions on container labels and local regulations. Dangerous Goods regulations have to be followed. During application in closed rooms, pits and shafts etc., sufficient ventilation must be provided. Keep away open light, including welding. In poorly lit rooms only electric safety lamps are permitted. The installed ventilation equipment must be spark-proof. In a liquid, or not fully cured state, the thinner and the products contaminate water and should not be allowed to enter drains or be spilled onto open ground. All spillages and liquid waste must be removed according to local Health and Safety regulations. Further details are contained in our instructions "Health protection and the prevention of accidents".

Construction

Value Base:

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Legal Notes:

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



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