

**Sika® Unitherm®-38202**

Top coat, water dispersed, for wood and cable

**Product Description**

Sika® Unitherm®-38202 is water based top coat for intumescent fire protection systems on wood and cable.

**Uses**

- Decorative finish
- For interior use only
- Protection against humidity and mechanical influence of Sika® Unitherm® madera and Sika® Unitherm® K

**Characteristics / Advantages**

- Water dispersed top coat
- Does not impact the formation of foam of intumescent coatings
- Low material consumption
- Easy to apply
- Does not increase static load
- Only for interior use

**Product Data****Form****Appearance / Colour**

White (may be tinted with colour paste up to 7%)

**Packaging**

13.0 kg containers, net weight.

**Storage****Storage Conditions / Shelf-Life**

12 months from date of delivery if stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5°C and +30°C. Protect from frost.

**Technical Data****Density**

Resin liquid: ~ 1.25 kg/l

**Solid Content**

~ 52% (by weight) according to EN ISO 3251



## System Information

### System Structure

*For wooden substrates:*

Intumescent layer: 1 x Sika® Unitherm® madera  
Top coat (mandatory): 1 x Sika® Unitherm® -38202

*For cables:*

Intumescent layer: 1 x Sika® Unitherm® K  
Top coat (mandatory): 1 x Sika® Unitherm® -38202

### Application Details

#### Consumption / Dosage

*Intumescent layer:*

Sika® Unitherm® madera: see separate PDS

Sika® Unitherm® K see separate PDS

Top coat:

Sika® Unitherm® -38202 ~ 150 g/m<sup>2</sup> (~ 120 ml/m<sup>2</sup>) for ~ 50µm DFT

#### Substrate Quality

Prior to application of Sika® Unitherm® -38202 the surface to be coated must be clean, dry (finger nail test) and free from dirt oil, grease or any other contamination.

If in doubt apply a test area first.

### Application Conditions / Limitations

**Substrate Temperature** +10°C min. / +50°C max.

**Ambient Temperature** +10°C min. / +50°C max.

**Relative Air Humidity** 80% r.h. max.

#### Dew Point

Beware of condensation!

The substrate and uncured coating must be at least 3°C above dew point to reduce the risk of condensation or blooming on the wall finish.

### Application Instructions

#### Mixing / Stiring

One pack product, stir thoroughly, free of lumps.

#### Stiring Tools

Sika® Unitherm® -38202 must be mechanically stirred thoroughly, free of lumps, using an electric stirrer (300 - 400 rpm) or other suitable equipment.

#### Application Method / Tools

*Airless spraying:*

- Material shall be applied undiluted
- Airless spray equipment with transmission > 303 : 1
- Hose diameter not below 3/8"
- Whip\_line 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 products

The rough film resulting from spray application should be smoothened by brush after spraying. Apply two coats of Sika® Unitherm® -38202 with max. 0.20 kg/m<sup>2</sup> per coat. In order to obtain a very smooth finish, grinding after the first layer is recommended.

*Brush and roller:*

- Material shall be applied undiluted
- Apply two coats with max. 0.20 kg/m<sup>2</sup> per coat

*Conventional spraying:*

- Air pressure 3 - 5 bar
- Hose diameter not below 3/8"
- Nozzle size 1.80 - 2.50 mm or 0.07" - 0.10"
- Material shall be applied undiluted in supply viscosity

<b>Cleaning of Tools</b>	Sika® Unitherm®-38202: Clean all tools and application equipment with water immediately after use. Hardened and/or cured material can only be removed mechanically use.
<b>Potlife</b>	Not applicable (see shelf life).
<b>Waiting Time / Overcoating</b>	Sika® Unitherm®-38202: touch dry after approx. 4 hours, fully dry after approx. 24 hours  Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.
<b>Notes on Application / Limitations</b>	With relative air humidity of $\geq 80\%$ the waiting time / overcoat is increased by 24 hours.  Always ensure good ventilation when application takes place in a confined space, to ensure drying.  Applied Sika® Unitherm®-38202 should be protected from rain, condensation, water and weathering.  If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO <sub>2</sub> and H <sub>2</sub> O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.
<b>Value Base</b>	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.
<b>Local Restrictions</b>	Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.
<b>Health and Safety Information</b>	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.
<b>Legal Notes</b>	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.
<b>EU Regulation 2004/42 VOC - Decopaint Directive</b>	According to the EU-Directive 2004/42, the maximum allowed content of VOC (Product category IIA / I, type Wb) is 140 g/l (limit 2010) for the ready to use product.  The maximum content of Sika® Unitherm®-38202 is < 140 g/l VOC for the ready to use product.

