BUILDING TRUST

INFO DATA SHEET

Maintenance of Sika® fire protection coatings for steel

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For more than 40 years of experience **Sika** fire protection coatings have proved their stability and resistance to ageing. Durability tests - as specified in the approval procedure - have been passed: Sample plates coated with **Sika** fire protection coatings have been exposed to weather and showed their long-term performance in regular fire tests.
Therefore, maintenance or rework is not specified. The reactivity of the fire protection system remains as long as it is unharmed. This may be controlled by visual inspection.
If properly applied, the durability of the **Sika** fire protection coating is comparable to conventional top-quality high build systems. If an inspection shows that repair work is advisable due to various reasons we give the following recommendations:

DAMAGE	INSTRUCTIONS
1. TOPCOAT SOILED	
1.1	Remove loose dust or other contamination mechanically or by hand (vacuum cleaning, blowing, brushing etc.). or
1.2	Oily or greasy contamination to be washed off with an aqueous solution with usual cleaning agent. Rinsing with clear water, drying.
2. RECOATING OF TOP FINISH	Cleaning acc. 1.1/1.2. Then apply one coat of the used **Sika fire protection topcoat** according to the most recent product data sheet in the required colour shade. If **Sika Unitherm Platinum** was used as basecoat than re-apply the same **topcoat** which was used before. The consumption rate of the **topcoat** depends on the corresponding technical data sheet of the respective topcoat.
3. CHALKING OF TOPCOAT	
3.1 SLIGHTLY CHALKING	Cleaning acc. 1.1/1.2. then 1 x 160 g/m² **Sika fire protection topcoat** spraying, rolling or brushing.

3.2 STRONG CHALKING	Cleaning acc. 1.2. then 1 x 160 g/m² **Sika fire protection topcoat** spraying, rolling or brushing.
4. MECHANICAL DAMAGES	Remove all loose particles and clean surface from oil, grease, dirt, and other detrimental layer. Check for any rust formation, de-rust affected areas if necessary, followed by priming with **SikaCor** or **Sika Permacor primer**. Minor damages may be repaired: a) When **Sika Unitherm Steel S** has been used, minor damages may be repaired with **Sika Unitherm Steel S** or **Sika Unitherm Repair S**. Build up to required DFT. Apply corresponding topcoat after through-drying of **Sika Unitherm Steel S**. The consumption rate of the topcoat depends on its corresponding technical data sheet. b) When **Sika Unitherm Steel W** has been used minor damages may be repaired with **itself**. Build up to required DFT. Apply corresponding topcoat after through-drying of **Sika Unitherm Steel W**. The consumption rate of the topcoat depends on its corresponding technical data sheet. c) When **Sika Unitherm Platinum** has been used minor damages may be repaired with **itself**. Dry film thickness must be equal to **existing Sika fire protection basecoat!** Apply corresponding topcoat after fully curing of **Sika Unitherm Platinum**, if **topcoat** is required. The consumption rate of the topcoat depends on the corresponding technical data sheet of the respective topcoat.
5. EFFLORESCENCE, CRACKS, EXPANDED AREAS OF THE TOTAL COATING (NEARLY ALWAYS WATER DAMAGE)	Before repairing damaged areas, eliminate source of damage. Remove loose and damaged particles with adequate tools; all corroded areas must be repaired acc. to 4. If necessary or required, the total surface area may be recoated with the **corresponding topcoat.**
ATTENTION!	A maximum of 3 layers **of the corresponding topcoat** including the original layer may be applied on the **intumescent coating.** The total dry film thickness of the **used topcoat** may not exceed 200 microns.
6. COATINGS WITHOUT TOPCOAT	
6.1 CONTAMINATION	Cleaning acc. 1.1/1.2; The appearance of the coating surface can be slightly affected.
6.2 LATER APPLICATION OF A NEW COLORED TOPCOAT	Cleaning acc. 1.1/1.2; The intumescent coating must be thoroughly dried prior application of the topcoat. The consumption rate of the topcoat depends on its corresponding technical data sheet. When overcoating of **Sika Unitherm Platinum** after 2 weeks' time the surface must be reactivated prior application of any subsequently coat. Reactivation can be done by sanding.
7. TESTS OF FIRE PERFORMANCE OF OLD INTUMESCENT COATING	Take a sample of the fire protection system including all coats. This sample will be tested in the **Sika fire protection** laboratory. The overcoatability of other intumescent paints than **Sika fire protection** must be tested anyway.

IMPORTANT NOTICE

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. The most recent info data sheet applies. This can be requested from us or is available to download at www.sika.de. Please check availability of local product data sheet at your local website. In cases of doubt the German text is valid.

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