

## KEMPEROL FALLSTOP



### Uses

- Transparent coating for the production of a fall-through protection of standard weathered and non-weathered skylight domes made of PMMA, PC, PETG, GRP, which are professionally mounted on a skylight base (also suitable for SHEVS skylight domes after consultation with KEMPER SYSTEM).

### Characteristics

- Fall-through-proof tested according to GS Bau 18
- Additionally tested fall-through safety at a surface temperature of the skylight domes of -10 °C (based on the GS Bau 18 test)
- Small change in light transmittance (4.5%)
- High elasticity (elongation according to DIN 53504 > 250 %)
- UV and weather resistant
- Ready-to-use
- Ensuring fall-through resistance and increasing the hail resistance class for 5 years.
- An extension of another 5 + 5 years is possible (please KEMPEROL FALLSTOP observe the construction site protocol and warranty conditions).
- Lightfast
- High transparency
- 1-component
- Resin base: Polyurethane resin

### Pack sizes

5 kg Container

### Shelf Life

Can be stored cool, frost-free, dry and unopened. Best before: see container label.

### Usage guide

1.6 kg/m<sup>2</sup> The material must be applied evenly in four working steps of at least 400 g/ m<sup>2</sup>. (corresponds to 400 µm on the measuring comb)

### Properties

Form	Liquid
Colour	Bluish transparent / glossy
Workability time*	approx. 30 min
Rainproof after*	approx. 4 h
Further coating after*	approx. 4 h
Cured after*	approx. 7 d
Fall-through protection after	approx. 7 d

\* Values obtained at a temperature of 23 °C - 50% rel. humidity. These values vary depending on the weather conditions, such as wind, humidity and temperature.

### Application

#### Preparing the substrate

The skylight domes to be coated must be designed to be properly free of defects and professionally mounted on a skylight base according to the manufacturer's assembly guidelines. Thoroughly clean the skylight with a clean cloth and KEMPERTEC FALLSTOP Cleaner allow to air-drying according to product specifications (see the corresponding Technical information sheet)

In the case of skylights with embrittled or defective sealing lips, the stubborn dirt as well as the old joint residues on the edge of the skylight must first be completely removed. Then the new joint can be filled with the KEMCO GUM Jointing compound filled.

Transition areas between the skylight dome and the frame must be filled flush with KEMCO GUM Jointing compound. There must not be any depressions in which the liberally applied liquid Fallstop can accumulate.

The substrate temperature must be at least 3 K higher than the dew point temperature. Substrate temperature: At least +10°C and relative air humidity: < 80%.

Stir the material carefully and weigh the correct amount for one work step.

### Use

Apply the material evenly and without bubbles in a criss-cross fashion using a foam roller. To check the layer thickness repeatedly at various points during application, use the KEMPERTEC® V4A wet film measuring for measuring the layer thickness of the wet film. Due to the shape of skylight domes, go over the material again with a foam roller after initial application, starting at the bottom and working your way upwards, to guarantee an even layer of material and to prevent runs. Depending on the shape of the skylight domes, if necessary, repeat this procedure again after several minutes to achieve the required layer thickness on all parts of the skylight dome.

### **Work interruption and further coating**

In case of work interruptions > 7 days, the surface must be activated evenly with KEMCO LE Flexo Adhesive Primer .

### **PPE**

During application, always wear personal protective equipment including fall protection equipment to BGR 198. Please ensure good and constant ventilation at the workplace during and after application to guarantee even drying.

Always adhere to the KEMPEROL FALLSTOP application instructions. If necessary, a non-destructive before/after ultrasound measurement, can be carried out to determine the layer thickness of KEMPEROL FALLSTOP (e. g. with the measuring device Olympus 38DL Plus). The dry layer thickness of KEMPEROL FALLSTOP must be at least 0.9 mm.

### **Note**

Please consider Technical Information TI 23 - solvent-based products.

### **Disposal**

liquid	EAK 08 05 01
cured	EAK 17 02 03

### **GISCODE**

PU50

### **General information**

Times are shortened in the case of higher and are longer in the case of lower ambient temperatures and subsurface temperatures. No substances of other systems may be mixed into the products of the KEMPER SYSTEM.

Only for commercial use.

Our technical data sheets / technical information and application instructions reflect the current level of knowledge in our company and the experience with our products. In each case, the new edition supersedes the previous technical information and renders it invalid. It is therefore necessary that you always have to hand the current code of practise. The latest version can be retrieved from the KEMPER SYSTEM Login section. When using our products, a detailed, object-related and qualified inspection is required in each individual case in order to determine whether the product and /or application technology in question meets the specific requirements and purposes. We are liable only for our products being free from faults, and this only if our relevant product has been used and applied according to the instructions in our technical data sheets. Correct application of our products therefore falls entirely within the scope of liability and responsibility of the user (contractor). Our products are sold exclusively on the bases of our conditions of sale and delivery.

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