



## New sealing after hail damage

When a huge hailstorm hit Upper Bavaria on 11 June 2019, the damage could be guessed at the moment of the event, but not yet foreseen. The extent of the heavy thunderstorm with hailstones the size of ping-pong balls was only really revealed when the weather had calmed down. In addition to uprooted trees and shattered window panes, many a roof was also affected. Among them was the foil roof of a production hall in Puchheim. The standard industrial roof with skylight domes and ventilation elements, which had only been „in service“ for a few years at that time, had suffered badly from the force of the hailstorms and had to be resealed as quickly as possible.

### **Bringing competences together**

In order to ensure that production could continue without damage, the hail holes caused by the storm were immediately covered with reinforcement strips from the Swiss manufacturer Siga. After all, the operational processes in the production hall below were to continue without restriction and certainly without any loss of production. This was also the reason why the industrial company decided to seal the roof during ongoing production - without demolishing the old roof package. What was needed now was a safe overall solution for the roof repair, which could be carried out quickly and without complications by the Munich-based Fritz Schäffler GmbH & Co. KG was tackled. And this is precisely where KEMPEROL came into play for the long-established specialist company. The special thing about it: The cooperation with the research & development department of KEMPER SYSTEM. Because in order to ensure that KEMPEROL would behave perfectly in its upcoming field of application, KEMPER SYSTEM first tested a sample of the roofing membrane used, including Siga reinforcement strips, in the laboratory. It turned out that KEMPEROL adhered very well to these materials. This made it the product of choice, because only a perfect product could meet the challenge at hand - after all, they did not want to touch the mechanical fastening of the roofing membrane in order to avoid consequential damage during the repair.



## Clean, prime, seal - that's how KEMPEROL makes school!

### Using the best features

Since the moisture penetration of the roof had remained within limits despite the hail holes, the contractors also decided to use 80 ventilators for ventilation and dehumidification. Here, too, the properties of KEMPEROL came in handy - because KEMPEROL is vapour diffusible. Also important: The liquid waterproofing does not need to be mechanically fixed and adheres over the entire surface. Speaking of full-surface adhesion - the roof, which covers an area of around 2600 m<sup>2</sup>, was first covered and cleaned with the **KEMCO MEK cleaning agent**, before the surface was roughened. This was followed by the **KEMPERTEC D-Primer** and finally the use of the waterproofing system **KEMPEROL 2K-PUR** including final sanding.

In the end, Dr. hc. Nikolaus Walther, Managing Director of the Fritz Schäffler GmbH & Co. KG who praised his recent experience with KEMPEROL. „**We are witnessing a really successful example here of a research and development department working closely with industry - and how such collaboration can really support the customer in a meaningful and effective way.**“



## Project Data

### Object

Industrial roof/foil roof,  
Puchheim, Bavaria

### Object size

ca. 2600 m<sup>2</sup>

### Waterproofing system

KEMPEROL 2K-PUR

### Processor

Fritz Schäffler GmbH & Co. KG, München

### Year of execution

2019

