



> R30 > R60 > R90 > R120

# THE TECHNOLOGY

## Sika® Unitherm® Platinum

## Sika® Unitherm® Platinum-120

# THE TWO-PACK

# FIRE PROTECTION SYSTEMS

### SYSTEM DESCRIPTION

While traditional solvent and water based 1-pack fire protection systems have long been widespread on the fire protection market, in 2010 our research department managed to establish Sika® Unitherm® Platinum, completely novel intumescent technology, in our fire protection portfolio, thus setting the course for the future.

A further coating system has emerged from years of national and international experience and coating of hundreds of thousands of square meters in the form of Sika® Unitherm® Platinum-120, which completes the range of services for passive two-component steel fire protection and thus covers fire resistance classes R30 to R120.

The Platinum technology offers fire and corrosion protection together, can be transported and installed after 24 hours, and also exhibits high mechanical and chemical resistance. Thanks to these excellent properties, steel can be coated directly in the factory and brought to the desired destination without transport damage, which allows even very large construction projects to be completed in very short time. Furthermore, as a halogen-free, alkyl-free, benzyl-alcohol-free intumescent, the further developed Sika® Unitherm® Platinum-120 meets the requirements and recommendations of numerous certification systems such as DGNB, LEED, and BREAM and is thus a sustainable quality product.

### BENEFITS

- Life expectancy > 25 years
- Can be transported and installed after 24 h
- Layer thicknesses up to 4 mm per pass
- 100% solids
- Excellent corrosion protection according to DIN EN ISO 12944-5
- Shock, impact, and abrasion resistant
- Coating surface can be cleaned with high-pressure water. Tested according to ETA-15/0814
- Halogen-free, alkyl-free, and benzyl-alcohol-free
- Absolute zero solvents
- Meets requirements of DGNB, LEED, and BREAM
- No primer and no top coat necessary for exterior application; type X. Tested according to ETAG 018 Part 2
- Reaction to fire: B classification can be achieved with and without base and top coating



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