# Schindler factory in Slovakia

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| **Categories** |  |

In Dunskajá Streda, Slovakia, around 14,000 m² of roof surface of the elevator manufacturer Schindler výtahy a eskalátory a.s. was coated with ThermoActive in 2019. The executing partner was the company HOFER SK, s.r.o., 01001 Žilina. **The problem** High temperatures in the production halls due to heating of the roofs. The roof temperature outside was 51.4°C in a comparative measurement. **The solution** Passive cooling through a high-tech coating based on reflective membrane technology: ThermoActive. This passive cooling is achieved by the extremely high sunlight reflection and by evaporation processes. Sunlight is reflected up to a value of 91.4% (total solar reflectance, TSR). **The result** After coating with ThermoActive roof paint, the roof temperature outside, measured under identical conditions, was only 28.2°C. Thus the temperature could be lowered by 23.2°C. This temperature reduction can save energy consumption for active cooling of the production halls. Less energy consumption means a reduction in CO2 emissions. This makes an active contribution to climate protection.

### Metadata

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