

# TDP T3 – Fire Testing Device for Roofs

For Determining the Performance of Roofs When Exposed to External Fire – Test 3, Incorporating Incendiary Devices, Wind and Supplementary Radiant Heat in Accordance with DIN CEN/TS 1187

## Information Obtained by TDP T3

- Flame spread on the roof surface and inside the roof
- Burning distance as a function of time
- Burning/falling droplets
- Penetration of the roof structure by flames
- Smoldering and glowing behavior of the roofing

The TDP T3 enables a test in accordance with test method 3 of the standard DIN CEN/TS 1187.

The burning behavior of roofs is evaluated by incendiary devices, wind and supplementary radiant heat. During the T3 test, a fire is simulated with a wood-fiber insulation board. Along with the fire spread on the surface of the roof and within the roof structure, penetration of the roof by the fire and the extent of burning droplets and burning parts are also investigated.

