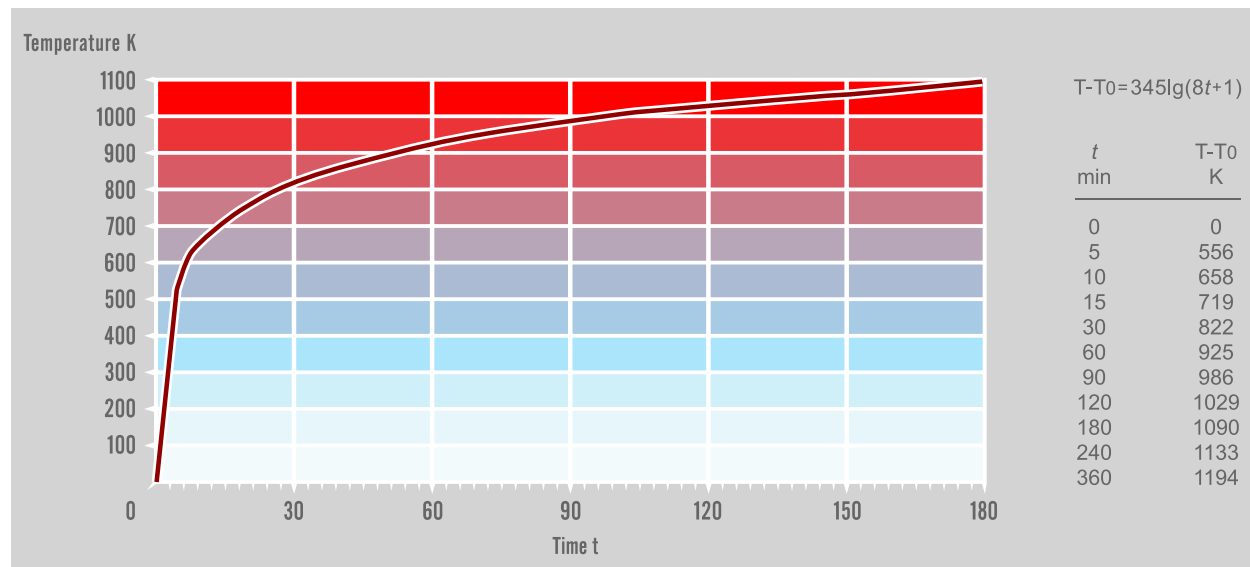


Standard-Temperature-Time-Curve

The standard-temperature-time-curve illustrates the phase of the fire after it takes hold. The preliminary start phase of a real fire is not taken into account. Any similarity with real times in a fire is therefore limited



In practice the standard-temperature-time-curve is used in special test institutions, as it enables building components to be classified according to fire resistance using fire resistance testing. In fire testing the building materials the temperatures in the kiln reflect the standard-temperature-time-curve unit according to DIN [German Standard] 4102-2, illustration 3.

A fire resistance test certifies particular properties demonstrated in an idealised fire during a classification period by means of testing in an accredited test centre, or by verifiable measurement.

In Austria four fire resistant classes are used:

- flame – fire retardant (30 min)
- highly flame retardant (60 min)
- flame – fire resistant (90 min)
- highly flame resistant (180 min)

