



FIRE RESISTANCE

- Aluminium metal is “non-combustible” :
 - It does not burn when exposed to fire
 - Combustible material = material capable of burning
 - Flammability is the ease with which a combustible material ignites
 - Aluminium = non-combustible => non-flammable (cannot catch fire)
 - Euro-Class A1 construction material according to DIN 4102-4
 - Euro-Class A1 construction material according to European Commission decision 96/603/EC without the need for testing)
 - The anodic layer is AluminiumOxide and non-toxic
 - No smoke gas development + no drip-off in case of fire
 - Material sold by COIL is therefore “non-combustible” and “non-flammable”
- Aluminium Composite Panels :
 - A sandwich of 2 aluminium sheets with a polymer, mineral or mixed core
 - In case of C-Bond; COIL only supplies the outer skin material
 - The core is having impact on reaction to fire, ranging from combustible (class F) to non-combustible (class A2)
 - Outer cladding material, wall insulation material and fire barriers all have an influence on flammability of a facade