Customer Information Document

Stainless Steel Fire Performance

Below is a brief overview of the suitability and performance of stainless steel in fire situations according to its material properties.

Rimex is a manufacturer of stainless steel finishes supplied in sheets or coil and is not involved in the fabrication or installation of stainless steel cladding. This document addresses the fire performance of stainless steel in its solid form as sheet or coil materials.

Stainless steel is not ignitable and also does not cause or assist in the propagation of fire by assisting flame spread. The surface of stainless steel is inert and stable in most flame and heat sources. (source: bssa.org.uk)

Furthermore and as indicated below, stainless steel has a comparatively high melting point and outperforms other metal alternatives commonly used in cladding applications.

Fire Test	
Stainless Steels	**Melting Point ^{0}C**
304 (1.4301)	1400-1450
316 (1.4404)	1375-1400
Other Metals	
Aluminium	659
Aluminium Alloy	463-671
Copper	1085
Zinc	419
Brass	927

For fire performance of specific cladding panels and systems, the cladding contractor should be contacted.

ISO 9001:2016 | Cert Nº 11504
ISO 14001:2016 | Cert Nº 2751

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