FIRE RATING
FOR GALVALUME COATED STEEL

Fire Resistance

Galvalume is non-combustible and consequently does not burn, provide an ignition source, or add fuel load that would enable a fire to spread or grow into a catastrophic event. When converted into building components, its non-combustibility and assembly fire ratings do not degrade throughout the entire life-cycle of a building. This provides a reduced fire risk to workers and occupants, minimizes the impact on municipal fire services, and results in less property damage and collateral damage to adjacent buildings if a fire should ever occur.

Galvalume steel has an assigned flame spread rating of zero (0) and an assigned smoke developed classification of zero (0), which is the lowest in each respective rating category.

ANSI/UL 790 Fire – Flame Spread

The standard used to evaluate roof covering materials and roof systems for resistance to external fire exposure is ANSI/UL 790, "Tests for Fire Resistance of Roof Covering Materials." The fire test method is similar to ASTM E108-04, "Standard Test Methods for Fire Tests of Roof Coverings," and NFPA 256, "Standard Methods of Fire Tests of Roof Coverings." These standards are the oldest and most common roofing standards.

ANSI/UL 790 is used to determine roofing materials' or a roof assembly's fire rating as Class A, B or C. These classes represent different levels of fire-resistance performance to external fire exposure, with Class A being the highest standard.

Class A roof coverings are effective against severe fire exposure. They are not readily flammable, do not carry or spread fire, and afford a fairly high degree of fire protection to the roof deck.

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