Plascoat® PPA571 FR (Flame-Retardant)

Anticorrosion Flame Retardant Thermoplastic coating
Halogen Free

The speed at which a fire spreads and the toxicity of the fumes are key parameters in the fight against fires and the potentially catastrophic impact they can have on our lives.

Coatings that are resistant to fires and inhibit its spread are critical in the multiples environments we use on a daily basis, such as our homes, workplaces or vehicles. The absence of a halogen constituent (chlorine, bromine) in the construction's material can also prevent further burdening our environment.

Although most flame retardants are based on halogen chemicals, thanks to its innovation and expertise in coatings, Axalta has developed an additional feature in its Plascoat® PPA571 FR (Flame-Retardant) range, thus maintaining the benefits associated with not using halogen.

Plascoat® PPA571 general features and benefits:

- More than 30 years' proven performance
- Superior resistance to sun, salt and sea water
- Excellent impact and sand abrasion resistance
- Premium quality, glossy appearance
- Will not crack, chip, flake or fracture
- Low temperature performance to -70°C
- Excellent adhesion to steel, iron and aluminium
- No requirement for a primer
- PPA 571 is free of Bisphenol A (BPA), PVC, halogens, phthalates and heavy metals

Plascoat® PPA571 FR (Flame-Retardant) has obtained multiple certifications confirming its performance in term of its fire retardant properties and its low toxicity when there is smoke emission. Discover the different certificates obtained for different environments below.

British Standard 476 - Fire Tests
- Part 6: Fire propagation
- Part 5: Surface spread of flame

EN 45545-2 European Railway Standard for Fire Safety
- EN ISO 5658-2 - Surface spread of flame
- EN ISO 11925-2 - Flame persistence
- EN ISO 5660-1 - Reaction to Fire Heat release rate
- EN ISO 5659-2 - Smoke Emission
- EN ISO 5659-2 – EN 45545-2 Annexe C - Smoke and Toxicity Test

British Standard 6853 - Fire precautions in the design and construction of passenger carrying trains

International Maritime Organization FTPC standard
- Part 2: Smoke and toxicity test
- Part 5: Fire Test for surface flammability

UL 94 -Tests for Flammability of Plastic Materials for Parts in Devices and Appliances
- UL 94 V-0 Vertical Burn; Burning stops within 10 seconds, No flaming drip is allowed
- UL 94 HB Horizontal Burning - self-extinguishing