

## Product Specifications: Coating

### Powder Coating

#### i) Description

Powder coating is a dry finishing process where coating is thinly applied to the workpiece by electrostatic spray, melted to form a film and then further heated to polymerize and cure the coating. It uses 1 coat system; the electrostatic spray gun applies coating only once onto the profile, then through high temperature curing, the powder coated aluminum profile is formed. Powder coating is more environmental friendly as compare to conventional liquid paint as it does not require the use of solvent to keep the binder and filler parts in a liquid suspension form.

#### ii) Features

- Direct, one-coat spraying system.
- Good outdoor durability.
- Excellent corrosion resistance.
- Excellent weathering resistance performance and gloss retention.
- Unlimited range of colours, finishes, glosses and textures.
- Environment-friendly.

### Fluorocarbon (PVDF) Coating

#### i) Description

PVDF coatings are made of PVDF fluoropolymer resin and inorganic ceramic pigments. In the process, coating is thinly applied to the workpiece by electrostatic spray to form a film and then further heated to polymerize and cure the coating. It uses 2 coats and 3 coats system where the electrostatic spray gun applies coating two or three times onto the profile. PVDF is unaffected by most chemicals and solvents and has very good wear abrasion resistance. PVDF coatings are considered as most durable coatings by far without coating chalk or obvious color change.

#### ii) Features

- Direct, two/three coat spraying system.
- Good outdoor durability.
- Excellent corrosion resistance.
- Excellent weathering resistance performance and gloss retention.
- Unlimited range of colours, finishes, glosses and textures.
- Environment-friendly.