

TECHNICAL DATA SHEET

Pulron 101FL Thermoplastic Coatings



General Description:

Pulron 101FL is a thermoplastic coating powder which is specifically formulated for superior adhesion to the substrate, and provides outstanding resistance to ultra-violet light, color fade, chemicals, extreme temperatures, and corrosion, erosion and other physical damages. It is based on modified polyolefins and is applied by flame spray systems for all general on-site applications.

Recommended Coating Conditions:

Surface must be free of dirt, dust, oil, grease, water and other contaminants. Chemical cleaning or sand blasting in SA 2,5 quality is also recommended to prepare the surface for the coating process and obtain excellent adhesion. Concrete surfaces should be sealed to prevent outgassing from the concrete during flame spray application and provide good adhesion of the 101FL finish. Always use propane-based flames. Parameters (i.e. fluidizer air, transport air, powder feed, pre-heat and process temperatures etc.) must be adjusted according to the guidelines, instructions and recommendations of the equipment supplier.

Properties of Powder:

Coverage (% 100)	5,3 m ² /kg (at 200 microns)
Particle size	10% < 100 microns 99% < 250 microns
Bulk density	0,40 gr/cm ³
Packaging	Polyethylene bag and 15 kg cardboard boxes
Storage	Stored in a clean dry area (< 27°C) and out of sunlight

Performance Properties of Material

Density	gr/cm ³	0,94	ASTM D 792
Tensile Strength	Mpa	16,2	ISO 527
Elongation	%	580	ISO 527
Hardness	Shore D	44	ASTM D 2240
Vicat Softening Point	°C	72	ASTM D 1525
Melting Point	°C	98	ISO 11357
Toxicity Index		1,8	NES 7
Flammability		V ₀	UL 94
Volume Resistivity*	Ohm.cm	>10 ¹³	ASTM D 257
Surface Resistivity*	Ohm	>10 ¹³	ASTM D 257
Salt Spray	Hour	1000	ISO 9227
Impact Strength	N.m	10	ISO 6272
QUV	Hour	1000	ASTM D-4587

*: The tests were performed by raw material.