

## Syntha Pulvin Premium Matt and Matt Metallic

<b>Chemical type:</b>	Advanced Durability Polyester
<b>Product details:</b>	Meets requirements of Qualicoat Class 2 and AAMA2604-98 Superior outdoor durability and colour retention Available in a range of RAL colours and custom bonded metallics
<b>Application:</b>	Electrostatic and Tribo
<b>Particle size:</b>	3% > 120µm 10% < 10µm 34-42µm average size
<b>Curing:</b>	15 mins @ 190°C (metal temperature) 10 mins @ 200°C (metal temperature) 8 mins @ 210°C (metal temperature)
<b>Gloss level:</b>	30 +/- 5 (60 ° head glossmeter)
<b>Film thickness:</b>	60-120µm, typically 80µm
<b>Shelf life:</b>	12 months in cool, dry conditions
<b>Health and Safety:</b>	Refer to relevant Material Safety Data Sheet from Valspar

### Product performance:

It is essential to pretreat architectural components prior to application of Syntha Pulvin premium. Detailed advice should be sought from the pretreatment supplier. Aluminium components should receive a multi-stage chromate conversion coating. Galvanised steel should receive a multi-stage pretreatment using either chromate or zinc phosphate. De-gassing of galvanised steel prior to powder application is considered mandatory.

For metallic shades, the products must be applied according to the guidelines set out in the “*Application Requirements for Syntha Pulvin Metallics*” document, which is available from Valspar on request.

The following tests were all carried out on 0.8mm chromated aluminium test panels having a nominal coating thickness of 60µm.

TEST	AAMA/ISO SPECIFICATION	BS SPECIFICATION
Cross hatch adhesion	2604 Pt 7.4.1 – pass Gt0	BS3900 E6 – class 0
Impact resistance	2604 Pt 7.5 – pass 2.5Nm*	BS6496 – pass 20 “lbs”*
Flexibility	ISO 1519 – pass 6mm*	BS3900 E11 – pass 6mm*
Cupping test	ISO 1520 – pass 8mm*	BS3900 E4 – pass 8mm*
Scratch/Hardness	ISO 2815 – min 80 rating	BS3900 E2 – pass 4kg
Salt spray resistance	2604 Pt 7.8.2 – pass 3000 hours	BS6496 (15) – pass 1000 hours
Humidity resistance	2604 Pt 7.8.1 – pass 3000 hours	BS3900 F2 – pass 1000 hours
Artificial weathering	ISO 11341 – pass 1000 hours	BS3900 F3 – pass 2000 hours
Natural weathering (Florida 45°)	Pass 5 years – minimal colour change and gloss reduction	
Chemical resistance	Resistant to most acids, alkalis and oils at normal temperatures. May be affected by chlorinated solvents.	

\* No cracking or disbondment as specified in Qualicoat Class 2 and AAMA2604-98  
Whilst the above information is typical, no warranty is expressed or implied.