

Group	127 – Polyester Metallic Architectural Matt
Curing	min: 180°C @ 20' to 35' max: 200°C @ 10' to 15'
Surface	Smooth Metallic Effect
Brilliance	Visual Matt
Approvals	Qualicoat: P-0587 GSB Florida 1 Quality : 152 f

PRODUCT DESCRIPTION

A metallic effect, matt thermosetting polyester powder coating featuring excellent resistance to UV radiation and outdoor weathering.

The product forms a protective and decorative film with enhanced outdoor resistance.

PE/P/M Mic is designed to protect aluminum and galvanized steel components used in the fenestration industry.

Typical applications are door, window, balcony and cladding installations on domestic and commercial buildings.

Storage Life:

Store at temperatures lower than 30°C.
Storage life in original package: 24 months.

CHARACTERISTICS

Spec. Gravity (kg/l): 1,25 – 1,80
DFT (micron): 60 - 80
Theoretical Coverage @60um: 11 m²/kg

Recommended film thickness:

- Dry: 60 - 80 µm

Reaction To Fire EN 13501-1

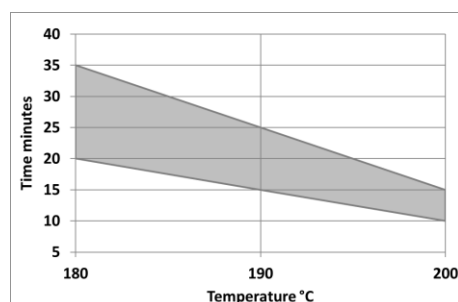
Classification: A2-s1,d0

APPLICATION

Suitable for automatic and manual electrostatic application
Please contact your Sherwin-Williams representative to discuss tribo-static application

Curing Cycle

Time	Substrate temperature
10-15 min	200°C
15-25 min	190°C
20-35 min	180°C



To maintain a consistent color/effect it is important for the coater to control the ratio of virgin to reclaim Powder. A minimum 70% virgin powder is recommended.

SUBSTRATE PREPARATION

The surface treatment should be chosen according to the type of substrate and the required performance.

The surface to be coated must be free from oxidation, oil, grease or any other form of contamination.

A good quality pretreatment process is recommended for optimum performance, certified products can be found via Qualicoat, GSB or Qualisteelcoat.

Final user should select the proper pretreatment based on corrosion resistance performance.

Where required, the corrosion resistance can be enhanced using a primer system.

		Substrate			
		Aluminum	Steel	Galvanized Steel	Metallized Steel
Chemical	Cr-free (Zr, Ti, Oxilanes or alternatives)	✓		✓	
	Pre-anodising	✓			
	Chromate	✓		✓	
	Phospho-chromate	✓			
	Iron phosphate		✓		
	Zinc phosphate		✓	✓	
	Nano-ceramic		✓		
Mechanical	Sand blasting		✓		
	Soft blasting			✓	✓
	Sweeping			✓	✓

PERFORMANCE DATA

A 60um coating applied to aluminum test panel (ALQ-36) cured 20' @ 180°C satisfied the following requirements,

Gloss 60° :

25.0 - 35.0

UNI EN ISO 2813:2014

Buchholz indentation test:

more than 90

UNI EN ISO 2815

Erichsen cupping test (mm):

more than 5

UNI EN ISO 1520

Direct impact test (cm.Kg):

more than 25

ASTM D 2794; ISO 6272-2:2002

Reverse impact test(cm.kg):

more than 25

ASTM D 2794; ISO 6272-2:2002

Cylindrical mandrel size 5:

does not break

UNI EN ISO 1519

Crosscut adhesion (2mm) (GT):

Class 0

UNI EN ISO 2409

Acetic salt fog test:

Meets requirements of

Qualicoat and GSB International

UNI ISO 9227

Resistance to humidity:

(Humidity test) 1000 hours later:

Novariation or blistering, infiltration from the cross of

UNI EN ISO 6270-2:2005

Accelerated Weathering:

1000h Xenon-arc

≥ 50% gloss retention

According with Qualicoat cycle

(ISO16474-2)

300h UV-B:

≥ 50% gloss retention

According with GSB cycle (ISO16474-3)

CAUTION

FOR INDUSTRIAL SHOP APPLICATION

Thoroughly review product label and Safety Data Sheet (SDS) prior to using this product.

A Safety Data Sheet is available from your local Sherwin-Williams facility or distributor

Note: Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the user obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in user handling and methods of application which are not known or under our control, The Sherwin-Williams Company cannot make any warranties as to the end result.