SHERWIN-WILLIAMS.

syntha pulvin PE/P/Q

Architectural Polyester Gloss

Group	111 / 115 / 117– Architectural Polyester Glossy
Curing	20-40'@170 °C | 8-15' @200 °C
Surface	Smooth glossy
Gloss	65-95 @60°
Approvals	Qualicoat Class 1: P-0554 (Italy), P-0105 (France), P-0656 (UK), P-1280 (Poland) GSB: Florida 1 (152 g) EN 12206-1:2021 MED

PRODUCT DESCRIPTION

The PE/P/Q range was designed to enhance the protection of aluminium components used in architecture and for coating galvanised steel.
Approved to GSB Standard Quality specification and Qualicoat Class 1.
It can be used on all common metallic substrates, steel, and is suitable for outdoor applications.

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

CHARACTERISTICS

Spec. Gravity (kg/L):
1,20-1,70

Recommended film thickness:
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.
The recycling of the powder is possible up to 30 % for solid colours.
For special finishes including metallic and speckled effects, the recycling is not recommended and a single batch of powder coating should be used to coat parts that will be subsequently assembled together.

Curing Cycle

Time	Substrate temperature
20-40 min	170 °C
15-30 min	180 °C
10-20 min	190 °C
8-15 min	200 °C

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

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

CAUTION

FOR INDUSTRIAL SHOP APPLICATION

Thoroughly review the product label and Safety Data Sheet (SDS) before 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 that are not known or under our control, the Sherwin-Williams Company cannot make any warranties as to the end result.

PERFORMANCE DATA

Test conditions
Curing: 20 min 170 °C
Substrate: 0,8 mm AA5005 (AQT-36)
Film thickness: 60-80 µm

Adhesion **ISO 2409**	GT0
Buchholz Hardness **ISO 2815**	> 80
Erichsen Cupping **ISO 1520**	> 5 mm (No sign of detachment)
Impact Resistance **ISO 6272-2**	> 25 Nm (No sign of detachment)
Cylindrical Mandrel Bending **ISO 1519**	5 mm (No sign of detachment)
Resistance to Humidity **ISO 22479**	24 cycles No infiltration greater than 1mm on either side of the cross, no change in colour, no blistering greater than (S2) according to ISO 4628-2
Acetic Salt Spray **ISO 9227**	1 000 hours No blistering greater than (S2) according to ISO 4628-2. Maximum 16 mm² infiltration over a scratch length of 10 cm
Mortar Resistance **EN 12206-1 by 5.9**	According to Qualicoat requirements
Humidity Chamber **ISO 6270**	1000 hours, no blistering greater than (S2) according to ISO 4628-2
Test Water Spot	(Qualicoat specific test) DL < 4
Test Martindale **CEN/TS 16611**	Residual Gloss > 40 %
Accelerated Weathering **ISO 16474-2**	1000 hours Gloss retention > 50 % Colour change according to Qualicoat A12
Florida Weathering **ISO 2810**	1-year exposure Gloss retention > 50 % Colour change shall not exceed, the maximum values stipulated in Qualicoat A12