



NATIONAL[®]
PAINTS



ARCHITECTURAL POWDER COATING

INTRODUCTION



National Paints is a leading Paints and Coating manufacturing company in the Middle East region with seven powder production plants world wide in different countries.

National Powder Coating segment has done numerous achievements in recent years. That includes starting of new manufacturing units, capacity upgradations, and introduction of new technologies such as **National NextGen** functional coatings for pipe and rebar coatings, similarly standard durable and super durable architectural powders for aluminium industry backed with **Qualicoat** certifications of **Class-1** and **Class-2**. NP certifications below at a glance.

NATIONAL PAINTS - ARCHITECTURAL POWDERS COATING		QUALICOAT CERTIFICATION	WARRANTY*
PA1000 Series Standard Durable	PA1003SM - Gloss level 30+-5%	Qualicoat Class-1, Category-1	10 Years
	PA1007SG - Gloss level 77+-7%	Qualicoat Class-1, Category-2	10 Years
	PA1008FG - Gloss level 90+-10%	Qualicoat Class-1, Category-3	10 Years
PS2000 Series Super Durable	PS2003SM - Gloss level 35+-7%	Qualicoat Class-2, Category-1	25 Years
	PS2006SG - Gloss Level 65+-7%	Qualicoat Class-2, Category-2	25 Years
	PS2008FG - Gloss Level 85+-10%	Qualicoat Class-2, Category-3	25 Years

* Terms and conditions apply.



ISO 9001 & 14001
OHSAS 18001
CERTIFIED FACTORY

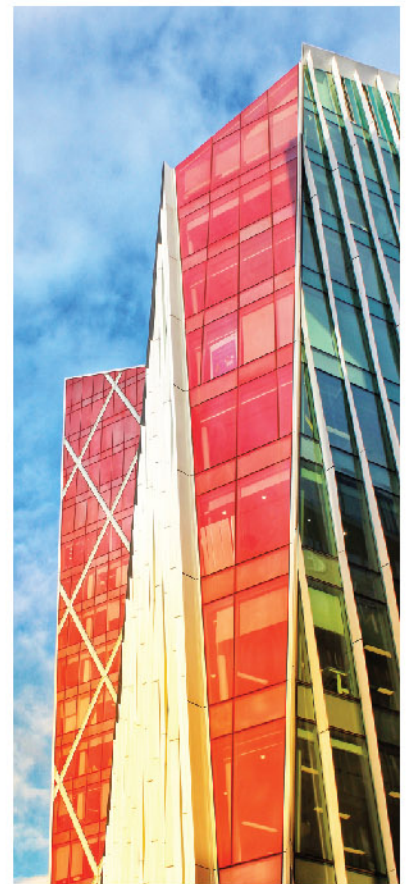
FAST TRACK SERVICES



We are committed to satisfying our customers by developing, producing, and servicing products to meet and exceed their expectations.

We work with our customers to plan, coordinate, and execute the project requirements. These efforts validate our pledge to perform all of our work in a safe manner and to meet the quality expectations of our customers. To this extent, we are continuously working to improve the quality of work with following features.

- Reliable supplier backed with immediate deliveries and technical sales support services.
- High quality products in competitive prices.
- Advantage of locally available cost effective high performance solutions.
- Custom color matching available within 24-48 hours.
- Special production colors (make to order) available within 2-3 working days.
- Product samples are available upon request within 24 hrs.
- Providing faster delivery schedules to meet your project needs.
- Technical personnel are readily available for technical solutions.



POLYESTER ARCHITECTURAL

PA1000 SERIES



National Polyester Architectural PA1000 Series is designed specifically for architectural applications where color and gloss retention are critical. It is formulated with advanced polyester resin technology and high performance pigments to meet the outdoor performance requirements and designed to offer significantly higher gloss retention and resistance to color change combined with maximum film integrity to ensure long term protection. **PA1000 Series** compliance with **Qualicoat Class-1**.

PA1000 Series is available in a variety of colors as per RAL card, custom made shades in glossy, semi-gloss, and matt finishes.

NP PA1000 Series is available in following categories:

PA1008 (PAFG Glossy)	90 (+/-) 10
PA1007 (PASG Semi-glossy)	77 (+/-) 7
PA1003 (PASM Matt Finish)	30 (+/-) 5
PA1001 (PAFT Sandy Finish)	10 (+/-) 5
PA1000 (PADM Dead Matt)	5 (+/-) 3



Powder Characteristic:

Chemistry	Polyester Architectural
Particle size	Suitable for electrostatic spraying
Specific gravity	1.20 - 1.60
Curing schedule	200°C / 10 Min and 190°C / 15 Min (metal temp.)

PA1000 Series Suitable For:

- **National PA1000** is used on commercial and residential architectural buildings.
- Extruded architectural aluminium, including window and door frames.
- Extruded panel work on buildings.
- Wood sublimation process and powder on powder technology.

PA1000 Series Benefits

- Guaranteed performance on correctly pre-treated aluminium.
- **PA Series** meets **Qualicoat Class-1** requirement with Cat 1, 2 and 3 approvals.
- It is backed with 10 years product warranty for exterior durability (terms and conditions).
- Excellent color and gloss retention.
- Quality assurance systems in place.
- Smooth film appearance.
- High coverage and transfer efficiency.
- Less waste and pollution to the environment

National Paints warrants PA1000 Series only when applied and baked in accordance with the product data sheet.

- » Cracking for a period of 10 years from the date the product is applied on the substrate.
- » Excess Chalking within period of 10 years from the date the product is applied on substrate when measured in accordance with the standard procedures.
- » Fade or change in color so as to give delta E laboratory reading greater than 5 units from the original color within 10 years from the date the product is applied. Color measurements shall be made on clean surfaces free of oil, grease, and dirt.
- » It is understood that chalk, fade or color changes may not be uniform if the surfaces are not equally exposed to the sun.

The warranty is applicable only where powder is applied in accordance with the following procedure and under the following conditions:

The overall quality of the coating system is largely dependent on the type and quality of the pre-treatment and the respective curing system.

- » Powder shall be stored under dry and cool conditions (not exceeding 33°C at any stage of storage or transportation) and shall not be used 12 months after the production date.
- » Sufficient chromate and other pretreatment options as per Qualicoat for aluminum substrate shall be carried out by the applicator prior to powder application.
- » Pretreated material shall be stored in a dust free atmosphere, handled with SOPs and coated immediately.
- » Coating shall be sufficiently cured at 200°C object temperature for 10 minutes
- » The cured coating dry film thickness shall be within range as prescribed in Qualicoat for Class-1
- » The applicator should perform all coating tests described in the relevant product technical data sheet and all results must be within the specification prior to taking in to any formal warranty.
- » Coated surfaces shall not be exposed to continuous heat of exceeding the coating Tg and shall not be exposed to acids and other industrial emissions.
- » Coated surfaces shall be maintained by regular cleaning at least twice a year by using only mild detergent solutions and soft cloth or sponge.

POLYESTER SUPER DURABLE PS2000 SERIES



National Super Durable Powder Coating PS2000 is designed specifically for architectural applications where color and gloss retention are critical. It is formulated with more advanced polyester resin technology and high performance pigments to meet the outdoor performance requirements and designed to offer significantly higher gloss retention and resistance to color change combined with maximum film integrity to ensure long term protection. **PS2000 Series** compliance with **Qualicoat Class-2**.

PS2000 Series is available in selected RAL colors, other colors can be available upon technical assessment.

NP PS2000 Series is available in following categories:

PS2008 (PSFG Glossy Finish)	85 (+/-) 10
PS2006 (PSSG Semi-glossy)	65 (+/-) 7
PS2003 (PSSM Matt Finish)	35 (+/-) 7



Powder Characteristic:

Chemistry	Polyester Super Durable
Particle size	Suitable for electrostatic spraying
Specific gravity	1.20 - 1.60
Curing schedule	200°C / 10 Min and 195°C / 15 Min (metal temp.)

PS2000 Series Suitable For:

- **National PS2000** is used on commercial and residential architectural buildings for high durability.
- Extruded architectural aluminium, including window and door frames.
- Extruded panel work on commercial buildings.
- Use in the areas where high exterior performance is required.

PS2000 Series Benefits

- Guaranteed performance on correctly pre-treated aluminum.
- **PS2000 Series** meets **Qualicoat Class-2** requirement with Cat 1, 2 and 3 approvals.
- It is backed with 25 years product warranty for exterior durability (terms and conditions).
- Excellent color retention for outdoor durability.
- Quality assurance systems in place.
- Smooth film appearance.
- High coverage and transfer efficiency.
- Less waste and pollution to the environment.

National Paints warrants PS2000 Series only when applied and baked in accordance with the product data sheet.

- » Cracking for a period of 25 years from the date the product is applied on the substrate.
- » Excess chalking within period of 25 years from the date the product is applied to the metal when measured in accordance with the standard procedures.
- » Fade or change in color so as to give delta E laboratory reading greater than 5 units from the original color within 25 years from the date the product is applied to the metal. Color measurements shall be made on clean surfaces free of oil, grease and dirt.
- » It is understood that chalk, fade or color changes may not be uniform if the surfaces are not equally exposed to the sun.

The warranty is applicable only where powder is applied in accordance with the following procedure and under the following conditions:

The overall quality of the coating system is largely dependent on the type and quality of the pre-treatment and the respective curing system.

- » Powder shall be stored under dry and cool conditions (not exceeding 30°C at any stage of storage or transportation) and shall not be used 12 months after the production date.
- » Sufficient chromate or other pretreatment options as per Qualicoat for aluminum substrate shall be carried out by the applicator prior to powder application.
- » Pretreated material shall be stored in a dust free atmosphere, handled with SOPs and coated immediately.
- » Coating shall be sufficiently cured at 200°C object temperature for 10 minutes.
- » The cured coating dry film thickness shall be within range as prescribed in Qualicoat for Class-2
- » The applicator should perform all coating tests described in the relevant product technical data sheet and all results must be within the specification prior to taking in to any formal warranty.
- » Coated surfaces shall not be exposed to continuous heat of exceeding the coating Tg and shall not be exposed to acids and other industrial emissions.
- » Coated surfaces shall be maintained by regular cleaning at least twice a year by using only mild detergent solutions and soft cloth or sponge.



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