



# **Qualicoat Approved Architectural Range**

Certificate Nos: P-0656, P-0676, P-1084, P-1097 Product tested and approved for the quality mark

# Introduction

Inver Powder Coatings' Class 1 'Qualicoat' approved range of Architectural Polyesters are recommended for use on aluminium exterior situations where the 'Qualicoat' specification applies. Inver Powder Coatings' attention to formulation and particle size control ensures optimum transfer efficiency, enabling applied costs to be better controlled.

# Colour

Wide range of RAL colours available and specials manufactured to order

## Gloss

Three levels available (all measured at an incident angle of 60°)

Category 1:	< 30 +/-5 units
	31 – 70 +/- 7 units
Category 2:	including "BR"
	Metallics
	71 – 100 +/- 10
Category 3:	units

(Permissible variation from the nominal value)

# Film Properties

Meets the following criteria:

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Substrate used for these tests was aluminium alloy AA5005-H24 with a thickness of 0.8mm pre-treated according to DIN 50939: 1988

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The information on this sheet is based on experience or tests in the laboratory and is published in good faith in the belief that it will be of value. We can accept no responsibility for loss or damage, which may result from accident, misuse or operations not under our direct control.



#### **Specific Gravity**

1.4 - 1.8 depending on colour, gloss etc

#### Coverage

9 – 12 sq. m/kg @ 50 microns (100% utilisation assumed) depending on colour and gloss

#### **Film Thickness**

Minimum 60 microns

# Minimum Curing Conditions (Minutes at object temperature)

	Full Gloss Cat 3 &	Matt Cat 1
	Semi Gloss Cat 2	
210°C	5 mins	8 mins
200°C	6 mins	10 mins
190°C	8 mins	13 mins
180°C	10 mins	Not
		recommended
170°C	13 mins	Not
		recommended

Technical Data Sheet: QD Date: Feb-21

## **Maximum Cure Conditions**

	Full Gloss Cat 3 &	Matt Cat 1
	Semi Gloss Cat 2	
210°C	5-15 mins	8-15 mins
200°C	6-16 mins	10-20 mins
190°C	8-18 mins	13-23 mins
180°C	10-20 mins	Not
		recommended
170°C	13-23 mins	Not
		recommended

#### Storage

Store in dry, cool conditions, preferably below 30°C. Shelf life under these conditions will be approx 24 months.

#### **Pre- treatment**

Conversion coating is essential in all cases. A chromate or chromate-free pretreatment approved by Qualicoat or GSB should be used prior to powder coating.

## **Application Guidelines**

Inver UKs' 'Qualicoat' approved powder coatings are suitable for use with all known electrostatic powder spraying equipment designed for thermosetting powder application.

# **Individual Product Information**

Reference Number	QG810017SG
Description	RAL 7024 GRAPHITE GREY POLYESTER SEMI GLOSS
Gloss Level (60°)	65-75
Specific Gravity	1.36 +/-0.10
Stoving Schedule	10 MINS @ 180C Metal Temperature
Film Thickness	60-80 microns
SDS No:	

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# Health & Safety

We recommend all users of powder coatings to refer to the Code of Safe Practice: Application of Powder Coatings by Electrostatic Spraying (published by the British Coatings Federation of Great Britain Ltd) and our appropriate Health & Safety Data Sheet.

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