



STORAGE COLOUR PORTFOLIO

DESIGNED FOR LIFE

PRODUCT DESCRIPTION

Designed for both exterior and internal use, this range of powder coatings offers both excellent outdoor durability and decorative aspect. Designed for use on architectural applications, the range meets the requirements of:

- BS EN 12206-1 (previously BS 6496)
- BS EN 13438 (previously BS 6497)
- Qualicoat Class 1

Powder Properties

Chemistry	Thermosetting carboxylated polyester cured with a multifunctional curing agent.
Application	Corona electrostatic spray.
Gloss (ISO 2813)	Gloss 85 ± 10 Semi-Gloss 60 ± 7 Matt 30 ± 5

Mechanical Tests

Hardness	ISO 2815 Buchholtz Indentation	>80
Flexibility	ISO 1519 Cylindrical Mandrel	Pass >5mm
Adhesion	ISO 2409 2mm Crosshatch	Pass Gt0
Cupping	ISO 1520 Erichsen	Pass >5mm
Impact	BS 3900: Part E7	>25kg cm (N)

Corrosion and Durability

Sulphur Dioxide	Kesternich Test ISO 3231	After 24 cycles, infiltration <1mm from scratch
Salt Fog	Acetic Acid ISO 9227	After 1000 hours, per 10cm scratch: Total Corrosion <16mm ² Maximum Length <4mm
Mortar Resistance	ASTM C207	Easy to remove. No staining
Boiling Water	2 hours boiling water	No defects or detachments
Humidity	BS3900: Part F2	Pass. 1000 hours without any effect.

Weathering

Natural	Florida Sun Test ISO 2810	After 12 months exposure, residual gloss > 50%
Accelerated	Xenon SUN Test ISO 11341	After 1000 hours, residual gloss > 50%

Chemical Resistance

The colour range shows excellent resistance to water, brine, hydrochloric acid, dilute sulphuric, acetic and phosphoric acids, dilute alkalis, peroxides and bleach, alcohols and urea.

Fire Resistance

The colour range has been tested to the requirements of BS 476 parts 6 & 7 and has a Class 0 surface as defined in various national building regulations. Additionally, the range has been tested to and meets the requirements of various international fire tests as follows: the flammability requirements of FAR/JAR 25.853 Appendix F Part 1 (Vertical Burn Test); The heat release requirements of FAR/JAR 25.853 Appendix F Part 4; the Smoke Emission requirements of FAR/JAR 25.853 Appendix F Part 5 and ABD0031 paragraph 7.3.2; the Smoke Toxicity Emission requirements of ABD0031 paragraph 7.4.

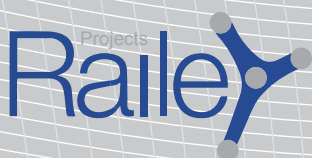
Colour Availability

A wide range of BS and RAL colours are available from stock.

All colours from BS 5252, BS 4800, BS 381C, RAL Classic, RAL Design, Pantone and NCS ranges. Any submitted colour standard can be manufactured to customer's requirements (minimum order quantities apply).

Restriction of Hazardous Substances (RoHS)

This product range conforms to the RoHS Directive. It does not contain any compounds of lead, mercury, cadmium or hexavalent chromium; nor does it contain polybrominated biphenyls (PBBs) or polybrominated diphenyl ether (PBDE).



Our colour portfolio has been chosen to provide you with an array of colour options to suit every location. If your project requires a specific colour that does not feature within our standards portfolio, please do let us know and we will source or colour match wherever possible (minimum order quantities may apply).

The details contained within this brochure were correct at the time of creation; the manufacturer reserves the right to alter the product specification without prior notification.

RAILEX PROJECTS COLOUR PORTFOLIO

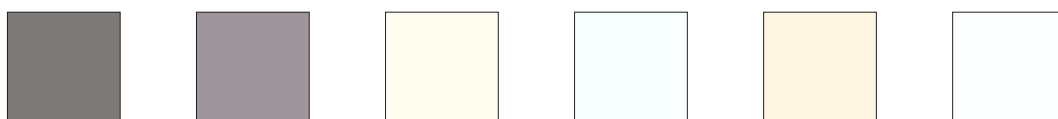
YOUR STORAGE, YOUR CHOICE

GREYSCALE



COLOUR NAME	Jet Black	Graphite Grey	Star Silver	Silver	Light Grey	Oyster White
RAL	9005	7024		9006	7035	9002
FINISH TYPE	Semi Matt	Semi Matt	Semi Gloss	Semi Gloss	Semi Matt	Semi Gloss

NEUTRAL



COLOUR NAME	Silver Stone	Stone Grey	Cream	Pure White	Pearl White	White
RAL	9007	7036	9001	9010	1013	9016
FINISH TYPE	Semi Gloss	Semi Matt	Semi Matt	Semi Matt	Semi Matt	Semi Matt

SKY



COLOUR NAME	Cobalt Blue	Distant Blue	Pigeon Blue	Bright Blue
RAL	5013	5023	5014	5012
FINISH TYPE	Semi Matt	Semi Matt	Semi Matt	Semi Matt

MEADOW & BERRIES



COLOUR NAME	Pale Green	Pastel Green	Reseda Green	Signal Violet	Blue Lilac	Red Lilac
RAL	6021	6019	6011	4008	4005	4001
FINISH TYPE	Semi Matt	Semi Matt	Semi Matt	Gloss	Gloss	Gloss

PRIMARY



COLOUR NAME	Pure Orange	Marine Blue	Grass Green	Bright Yellow	Traffic Red
RAL	2004	5002	6018	1018	3020
FINISH TYPE	Semi Matt	Semi Matt	Semi Matt	Semi Matt	Semi Matt

SEA



COLOUR NAME	Blue Green	Aqua Green	Duck Egg Blue
RAL	5018	6027	BS16C33
FINISH TYPE	Semi Matt	Semi Matt	Semi Matt

All colours shown are for guidance only; Production colours may differ significantly. Colour samples are available upon request.

Gloss Level

Gloss	90%
Semi Gloss	60%
Semi Matt	30%

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