

Specification for Colourgalv



The information below is the coating specification for Colourgalv available exclusively from Highland Colour Coaters & Highland Galvanizers.

Colourgalv – Duplex coating using hot dip galvanizing as the primer coat with a polyester powder top coat. Factory applied under one roof to provide superior corrosion protection.

Primer Coat:

- Superior corrosion protection for exposed or external steel.
- Up to 150 years lifespan, location dependent based on the Millenium Map
- Non permeable coating, harder than steel.
- Sacrificial protection built in to coating through electrolytic/cathodic protection, superior to all other coating systems.
- Greater edge protection, as process results in coating thicker than paint and that specified in BS EN ISO 1461:2009 – HDG standard.
- Factory controlled quality finish for new components ensuring specification is achieved consistently, reducing site congestion, and producing no on site environmental overspill.
- Environmental Product Declaration available.
- Sustainable solution through elimination of corrosion, and process uses recycled material, with by products also recycled.
- Coating applied internally as well as externally to hollow section components.
- Suitable for refurbishment of detachable existing metal components, including elements with corroded surfaces; preparation by shot blasting available.
- All surfaces fettled to comply with BS EN 1461:2009.
- Capacity for components up to 7m long and 0.75 tonnes.
- Superior corrosion resistant finish. Also available in combination with Akzo Nobel & IGP powders in a system called Colourgalv, the corrosion protection of galvanizing combined with the aesthetics of colour and texture.

Colourgalv Top Coat:

- Applicator Specialist in adhesion of powder coating to hot dip galvanized substrates, through adherence to BS EN ISO 13438:2013 and holding full IGP & Akzo Nobel/Interpon Approved Applicator status for a hot dip galvanized substrate.
- Extended corrosion protection from harder than paint tough top coat.
- Up to 40 years colourfast performance and UV protection, location dependent. (Akzo 25 yrs – IGP 40 yrs).
- Superior durability performance through tough, abrasion resistant, flexible, and impact resistant coating.
- Major maintenance free for up to 40 years, location dependent. Annual wash down recommended
- Performance guarantee available on request, length of guarantee location dependent, due to environmental conditions.
- Factory controlled quality finish for new components ensuring specification is achieved consistently, reducing site congestion, and producing no on site environmental overspill.
- Sustainability through no VOC's (Volatile Organic Compounds).
- Superior durability to wet paint finishes, and hot dip galvanizing alone.
- Suitable for refurbishment of detachable, sound existing metal components, including elements with corroded surfaces; preparation by shot blasting available.
- Initial costing less than or comparable to wet paint alternatives, with whole life costings significantly less.
- Capacity for components up to 7 m long and 0.75 tonnes. Size restricted by bath size and crane weight.
- Akzo Nobel Interpon D materials available.
- Finished coated product delivered to site, packaged securely, available within 3 days on request, and BS EN ISO 1461:2009, BS EN ISO 13438:2013, and Akzo Nobel/Interpon have an approved touch up procedure should on site welding be required.
- Alloy coating of steel, applied in accordance to BS EN ISO 1461:2009.
- Galvanized substrate must be finished smooth with hand tools in accordance with Akzo Nobel/Interpon Approved Applicator procedure for a hot dip galvanized substrate.
- Galvanized substrate must be chemically pre-treated in accordance with Akzo Nobel/Interpon Approved Applicator procedure for hot dip galvanized substrate prior to powder coating, curing and packaging.
- Pre-treatment: Green chemistry in a factory controlled environment

Endorsements:

- Member of Galvanizers Association.
- BS EN ISO 9001:2008 accredited.
- Akzo Nobel/Interpon Approved Applicator for coating on a hot dip galvanized substrate.
- IGP Approved Applicator for a hot dip galvanized substrate.

More about Colourgalv:

Colourgalv

- Manufacturer Highland Colour Coaters Ltd.
 - Web: www.higalv.co.uk.
 - Tel: +44 (0) 1236 731444
 - Product reference: Colourgalv.

Primercoat

- Pre-treatment: No pre-treatment is required for a standard coating in line with BS EN 1461:2009 Shot blasting only required for the harshest C5M environments (ISO12944), and then only if lifespan requirements of 20+ years are required.
- Minimum Coating thickness
 1. Minimum coating thickness of Colourgalv primer coat varies dependent on steel substrate thickness, with minimum thickness quoted in standard BS EN 1461:2009 (process which affords extra protection due to metallurgical alloying process).
 2. For a thicker/heavier coating we would recommend shot blasting to SA2.5

Topcoat

- Colour Standard RAL is available in approximately 250 colours.
- Finish
 - (Matt) 30%
 - (Satin) 50%
 - (Gloss) 70%

Options**Top coat****Pre-treatment:**

- No special preparation is required prior to pre-treatment process.

Minimum coating thickness:

- Minimum coating thickness of Colourgalv polyester top coat in accordance to BS EN 13438:2005 of 60 microns

Further Information**Literature:**

RPS Additional information may be available for Highland Colour Coaters Ltd from ribaproductselector.com

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