



Technical Data

Super Durable Industrial Polyester

DESCRIPTION

Super Durable Industrial Polyester (SDIP) is a high performance thermosetting polymeric barrier coating designed to protect metallic substrates exposed to extreme climatic conditions. UV resistance is 300% greater than standard polyester powder coatings. SDIP is available in a complete range of colors in a choice of matte or gloss finish.

APPLICATIONS

SDIP is particularly suited to protecting metallic components where exposure to high levels of UV can be expected. Typical applications have included protection of galvanized Cable Tray and Raceway, Struts and Hanging systems and structural steel sections. Its thin film characteristics and excellent wrap capabilities make it an ideal choice for applying to thin section steel components where sharp edges and corners require coverage.

To be fully effective it is crucial that SDIP is only applied over a previously pretreated substrate, in order to ensure total adhesion. S3C can advise the best form of pretreatment for your particular application. SDIP can be applied to aluminum, steel and galvanized substrates.



PRODUCT SPECIFICATIONS

Generic Type	Thermosetting Polyester
Dry Film Thickness	Nominal 40 microns
Adhesion	BS 3900 Part E6:1992 2mm maximum grid value zero; 100% adhesion of the coating.
Impact	BS 6496 Part 4.7:1984 Pass 20"/lb. falling weight - coating does not detach - coating will withstand direct impact from a hammer without loss of adhesion.
Flexibility	BS 3900 Part E11:1986 passes 6mm mandrel, coating is free of any cracks.
UV resistance	BS 3900 Wool Scale 5 or greater complying with BS 1006 Xenon test - all colors tested for a minimum of 2000 hours. Constant ultra violet light only produces marginal color change.
Humidity resistance	BS 3900 Part F2 No effect after 3000 hours. Constant high humidity has no effect.
Salt spray	BS 3900 Part F:1968 no effect after 3000 hours, coating demonstrates excellent corrosion resistance.
Sulfur Dioxide	BS 3900 Part F8: 1976 No color change, softening or blistering, or loss of adhesion after 240 hours. Demonstrates excellent ability to withstand industrial atmospheres.

OTHER PRODUCTS

S3C can also apply a vast range of other coating materials including epoxies, polyethylene, nylon, PVC, PTFE (fluorocarbons), EVA as well as a range of acrylic and PVDF architectural finishes.

For more information, please visit our website at <http://www.s3c.net> or e-mail us at sales@s3c.net. You can write or contact us too at:



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