



Technical Data

PVC (Poly Vinyl Chloride)

DESCRIPTION

PVC Industrial Coating is a high quality resin coating system applied on a wide range of substrates; steel, aluminium and cast steel and galvanised steel. The coating offers sterling performance characteristics over a broad spectrum of applications including aesthetic as well as chemical. Applied over suitably prepared substrates, the coating demonstrates a tenacious bond allowing the substrates to be machined and post formed. Heavy film thicknesses are possible, up to 1 mm. PVC coatings have excellent UV stability and are designed to protect metallic substrates exposed to extreme climatic conditions especially in hot & humid conditions. PVC resists air-borne pollutants and has an excellent resistance to many chemicals at room temperature. It provides excellent electrical insulation. PVC is available in a limited range of colours.

APPLICATIONS

Typical applications have included protection of electrical conduits, electrical fittings, fence posts & accessories, galvanised cable tray and raceway, struts & hanging systems and structural steel sections. Its excellent wrap capabilities make it an ideal choice for applying over steel components where sharp edges and corners require coverage.



PRODUCT SPECIFICATIONS

<i>Generic Type</i>	<i>PVC polymer</i>
<i>Dry Film Thickness</i>	<i>Nominal 250 - 1000 microns (10-40 mils) – (0.010 – 0.040 inches)</i>
<i>Gloss</i>	<i>70°</i>
<i>Impact Strength</i>	<i>10 in. lbs (ASTM D2794)</i>
<i>Elongation at break</i>	<i>200% (ASTM 638)</i>
<i>Hardness</i>	<i>40 Shore D (DIN 53505)</i>
<i>Tensile Strength</i>	<i>1.60 kg/mm² (ASTM 638)</i>
<i>Dielectric Strength</i>	<i>14 kv/mm.</i>
<i>Working temperature</i>	<i>80° C continuous</i>
<i>Water absorption</i>	<i>0.8 - 0.9% (2 hrs. & 94 °C)</i>
<i>Salt spray resistance</i>	<i>1000 hours pass (ASTM B117)</i>
<i>Chemical Resistance</i>	<i>Excellent, except solvents</i>
<i>Chalking resistance</i>	<i>Good</i>
<i>Repairability</i>	<i>Possible, please consult S3C.</i>

OTHER PRODUCTS

S3C can also apply a vast range of other coating materials including epoxies, polyethylene, nylon, PVC, PTFE (fluorocarbons), as well as a range of acrylic, SDIP, Polyester 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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