



Electrically Conductive Heating Paint CSG-IRG 510

Characteristics:

Aqueous, solvent-free, electrically conductive low-resistance Acrylatedispersion.

Specification: Color: Solid content PH value Viscosity VOC Pigment Pigment	% mPas g / L µm µm	56 8 3-5000 <0.2 = <10 13	following: Black ISO 3251 ISO 976 ISO 2555 D90 D50
Other characteristics Density SD Value	g / ml m	1.25 0.1 m	ISO 2811-1 ISTM
Film properties: Resistance, electr. Film resistance (24h) Tensile strength Productivity (200µm)	Ω / \square $^{\circ}$	3 > 120 2.3 5	ISTM ISTM ISTM ISTM (wet)
Curing proposition: Sintering temperature Sintering time (thickness) Speed (band)	° C Min m/min	120 2-10 5-10	ISTM ISTM ISTM
Storage: Shelf life (month) Frost stability (zycle)	M F/H	12 5	ISTM ISTM (frost/heat)

In original sealed containers are COATING SUISSE dispersions and Varnishes are 12 months from delivery at 20 °C storable. The Recommended storage temperature is + 5 until + 25 °C. Freezing or temperatures above 30 °C can adversely affect the viscosity and thus the average particle size and lead to sedimentation or coagulation. A Contamination with Bacteria, fungi or algae can irreversibly damage the product.



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However, storage for longer than 12 months from the date of shipment means not necessarily that the product is useless. Before using a longer stored product, you first need the values of the specification check. A guarantee or liability after expiry of the 12 months COATING SUISSE GmbH does not accept. The product must be stirred in each case.

Delivery:

Plastic cans 1 liter (sample container)
Plastic canister 5 liters (20 liters / carton)

Processing:*

Particularly suitable and recommended for machine processing by means of Rackel / R2R, or Screen Printing. The paint is ready for use. The best adhesion is achieved on hydrophilic substrates or with primers hydrophilically modified surfaces / films.

Application:

Particularly suitable for the production of electrically conductive Low-resistance films and coatings. By diluting with water or Binder, the varnish is adjustable in its electrical spectrum.

Hazard identification:

For product safety, please refer to our current Material Safety Data Sheet. Preservatives MIT & BIT. SZID no / Application: SZID 236308
According to RID / ARD no hazardous material

GHS: invironment

Hints:

• Electrically homogeneous and "hot spot" free heat (IR) radiation is obtained only with a mechanical coating! Rolling, spreading or spraying does not always result in 100% homogeneous layer thicknesses.

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 Contaminants can be cleaned easily with water and a little detergent.



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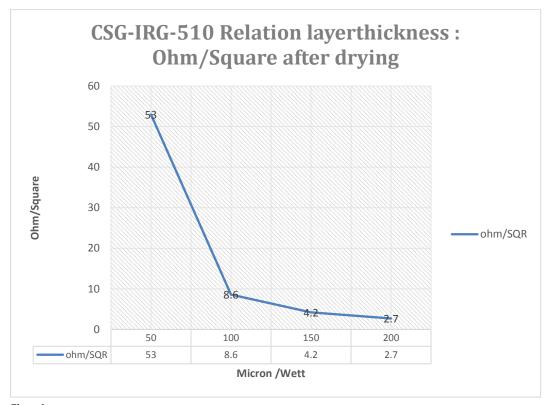


Fig: 1
Relationship between electrical resistance and layer thickness after drying at 10 minutes at 80°C. The solid content of the coating is about 50 - 55 %. The absolute dry film thickness can be assumed to be the half of the wet film thickness.

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