

The logo for RESICOAT, featuring the word "RESICOAT" in white, bold, uppercase letters on a red rectangular background.

Product Data Sheet

RESICOAT® R4-ES HJF26R

EP-Powder for Valves and Fittings
Electrostatic Spray Application

POWDER PROPERTIES

Binder System	Epoxy resin
Density (ISO 8130-2)	1.4 – 1.6 g/cm ³
Gel time at 200° C (ISO 8130-6)	30 – 50 sec.
Storage stability	4 months from delivery date at ≤ 23° C
MSDS	PC508

APPLICATION DATA

Preheating temperature	200 – 220° C object temperature
Post cure conditions	self curing on 8 mm steel at above temp.
Particle size distribution (ISO 8130-1)	< 32 µm = 35 – 50 % < 125 µm > 95 %

MATERIAL PROPERTIES

Colour	blue, approx. RAL 5005 GL
Recommended film thickness	250 – 350 µm
Flow	smooth
Gloss at 60° angle (DIN 67530)	70 – 90 units
Cross cut test (DIN EN ISO 2409)	Gt 0
Impact resistance (DIN 30677-2)	> 5 Joule
Dielectric strength (DIN 30677-2)	≥ 30 kV/mm
Elongation (DIN 30677-2)	> 5%
Hardness (DIN EN ISO 2815)	> 90
Cathodic disbonding test (DIN 30677-2)	< 10 mm
Hot water immersion test 90° C, 4 weeks	no visible change
Adhesion test after 7 days 90° C water (according DIN EN ISO 4624, GSK)	16 MPa



RESICOAT®

DRINKING WATER APPROVALS

Leitlinien zur hygienischen Beurteilung von Epoxidharzbeschichtungen im Kontakt mit Trinkwasser
C-138801-06-Ko/St, Arbeitsblatt W270 W-148264e-07-SI, UBA-D

DGS/VS 4 No99/217, AFNOR XP P41-250-1-3, No. de dossier: 07 MAT LY 009, LSEHL-F

Guideline BRL-K759, K 11557, KIWA-NL

BS 6920, Approval No. 0202505, WRAS-UK

Czech Notice 37/2001, zn: 49 B/2003, Brno Health Institute-CZ

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