

Product Datasheet

Resicoat® R4-ES for Electrostatic Spray Application on Cold Surfaces Code: HJ601R

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| Product Description | Resicoat® R4-ES HJ601R is a high quality thermosetting epoxy powder coating for the corrosion protection of valves and fittings, manufactured from cast iron or steel. The powder coating is applied in one layer on cold surfaces by electrostatic spray application. The adhesion of Resicoat® R4-ES HJ601R to the metal substrate provides long term protection of the coated component. It ensures a reliable conservation to the function and value of the parts for the common water and gas distribution network. The applicator benefits from a modern and environmentally friendly process. Drinking water approvals are available. | | |
| Powder Properties | | Typical value | Method |
| | Binder system | Epoxy | |
| | Density | 1.30 – 1.40 g/cm ³ | ISO 8130-2 |
| | Gel time at 200° C | 25 – 40 sec. | modified ISO 8130-6 |
| | Particle size distribution | < 32 µm = 25 – 40 % < 125 µm > 99 % | Malvern ISO 8130-1 |
| | Storage stability | 6 months from date of manufacture at ≤ 23° C | |
| Application Data | Curing conditions | 10 min., 190° C object temperature | |
| Material Properties | Color | blue, ca. RAL 5015 | |
| | Recommended film thickness | 120 – 220 µm | |
| | Flow | smooth | |
| | Gloss at 60° angle | 70 – 100 units | ISO 2813 |
| | Cross cut | Gt 0 | DIN EN ISO 2409 |
| Drinking Water Approvals | DE: UBA-Coatings Guideline, Approval no.: K-235947-13, Hygiene Institut DE: DVGW directive work sheet W 270, Approval no.: W-279700k-17, Hygiene Institut FR: DGS/VS 4 No99/217, AFNOR XP P41-3, No. de dossier: ACS 16 MAT LY 257, LSEHL BE: Pipa/Hydrocheck 011, Certificat R4 dark blue, Belgaqua UK: BS 6920, Approval No. 1701509, WRAS | | |
| Recommended Repair Material | Resicoat® RS two-component repair material | | |
| Issue: | April 24, 2017 | | |
| Authorized by: | GK | | |
| Revision no.: | 9 | | |

Disclaimer: This Product Data Sheet is based on the present state of our knowledge and on current laws. The data referring to Powder Properties, Application Data and Physical Tests is based on lab based samples. Factors such as quality or condition of the substrate may have an effect on the use and application of the product. It remains the responsibility of the user to test thoroughly if the product is applicable for the intended use. The use of the product beyond our recommendation releases us from our responsibility, unless we have recommended the specific use in writing. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. We are not liable for any application-technological advice. The Product Data Sheet shall be updated from time to time. Please ensure you have the latest version before using the product. All products and Product Data Sheets are subject to our standard terms and conditions of sale (GCS). You can receive the latest copy of GCS via internet or our post address. Brand names mentioned in this Product Data Sheet are trademarks of or are licensed to the AkzoNobel group.