

DELTA-HEAT® 100

Article number: 08405833

The silver, aluminum-containing, water-based DELTA-HEAT® 100 can be applied to a part at different times during the manufacturing process: this can happen before a hardening, forging or hot forming process. The coating cures at room temperature. Nice side-effect: coated parts are temporarily protected from corrosion. Under the influence of heat (up to a maximum of 1.200°C) the topcoat starts its work: the aluminum flakes in the coating melt. They create a hard, adhesive layer to the base metal – an aluminum oxide. This inert protection layer prohibits the oxygen, trying to enter the material from the outside, to move forward to the substrate. This leads to a reduction of the oxidation (the scale formation) of the substrate of up to 80 percent. All Dörken MKS products have always been free of harmful heavy metals such as chromium VI. As there is no hydrogen involved during the application process, there is no danger of application-related hydrogen-induced stress corrosion cracking.

CATEGORY



VH-Topcoat



high-temperature

REQUIREMENTS

Legal conditions

- meets the EU End-of-Life Vehicle Directive 2000/53/EC
- meets the RoHS 2 guidelines (also known as EU Directive on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment 2002/95/EC)
- meets the REACh requirements

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