

Electrical
steel

PrimeCoat® S900^{Series}

Insulation coating

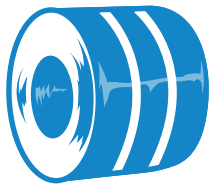
High-end chemical technology

- Chrome & VOC free single component water-based insulation coating
- Corrosion performance that surpasses market standard
- Sustainable and environmental friendlier in comparison to conventional hexavalent chromium insulation coatings
- Designed for (non) grain oriented electrical steel
- Resistant against high temperature stress relief annealing (SRA) processes
- ROHS compliant

About the product

PrimeCoat® S900 is a water-based, high performing chemical technology from AD Coil Coating Technologies B.V. PrimeCoat® products have been developed based on an in-depth knowledge of customers' production process and meet or exceed all critical demands.

PrimeCoat® S900 was purposely developed to increase the electrical insulation of the electrical steel surface. Electrical steel laminates, coated with PrimeCoat® S900, gives insulative benefits due to a significantly increased surface resistivity (conform ASTM A717 standards). This contributes to a reduction of the eddy current and energy loss of magnetic cores to deliver remarkable performance during the operation of the electrical motor, the generator and the transformer.



Sheet electrical steel coated with PrimeCoat® S900 protects the surface against corrosion in saline and humid environments at elevated temperatures (according to ASTM B117 & ASTM D2247 standards) and thereby preserving the quality of the electrical steel during storage and transport conditions.



PrimeCoat® S900 is resistant against high temperature stress relief annealing processes (annealing temperatures ≥ 800 °C in reduced atmospheric conditions e.g. N₂) and maintains its adhesion and insulative properties after SRA processes.



PrimeCoat® S900 is free from chromium, VOCs and is ROHS compliant. PrimeCoat® S900 is thereby an environmental friendlier surface treatment for electrical steel.

Other solutions

AD CCT can offer a wide range of treatment and cleaning solutions for coiled materials such as:

- Passivation
- Thin Organic Coatings (TOC)
- Pre-treatments
- Lubricant boosters
- Cleaners and additives
- Insulation Coatings

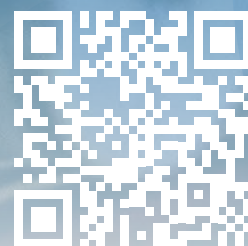
Renowned manufacturers such as TATA Steel come to rely on AD CCT chemicals as part of their continuous manufacturing process. "TATA chose us because of our Chrome-free products, our reliable quality and high levels of service."



"AD. Leader in chromefree technology."



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