

Sustainable TRD technologies as alternatives to hard chrome coatings

Hard chrome coatings are widely used for abrasive and corrosive applications, but the coating has a major disadvantage: it uses hexavalent chrome (chrome-6) during production. As this substance is carcinogenic and can cause an unhealthy working environment, it is being phased out globally. As a result of this, industry is seeking alternatives to the high-performance coating - an alternative which has not been found until now.

TRD Gamma and TRD CrC are both corrosion and highly wear resistant surfaces that can substitute hard chrome coatings, as it is illustrated here for piston rods. With a TRD solution, no compromise in performance needs to be made, while at the same time offering a sustainable alternative to hard chrome.

GREEN TECHNOLOGY

TRD replacing hard chrome

- » No use of toxic chrome-6
- » Same or higher hardness
- » Cost-competitive prices

“Just as good as our hard chrome versions”

Jens S. Madsen,
Production manager, SSH Stainless A/S

- Quality control and robust, unique process ensures high surface quality
- Deep theoretical and practical knowledge consolidates the needs for your application
- Send your parts today and get a non-binding offer

About TRD Surfaces

TRD Surfaces is a high-tech surface engineering company based in Denmark, offering unique solutions for optimal wear and corrosion performance of steel components. We aspire to deliver the best service and constructive dialogue for our customers. We are driven by a desire to understand your challenges, and apply the correct surface engineering to fulfill demands for better performance and increased lifetime.



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