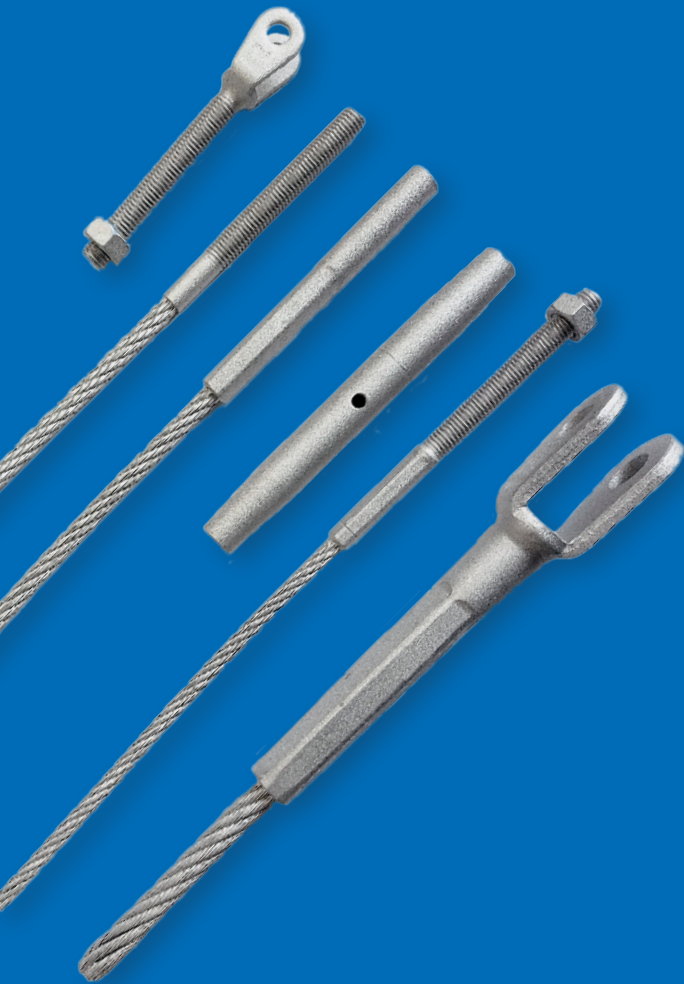


Zinc flake coatings



Zinc flake coatings

[based on information of www.doerken-mks.de]

Heavy duty applications may ask for extra cathodic corrosion protection for the V4A stainless steel products of Jakob Rope Systems. Zinc flake coatings act as a barrier as they sacrifice themselves to corrosion due to the low electrochemical potential, thus protecting the steel component. The zinc and aluminum flakes or powder are embedded into a special varnish material which has electrostatic properties.

Webnet and corresponding stainless-steel parts of Jakob Rope Systems are coated by products of Dörken MKS:

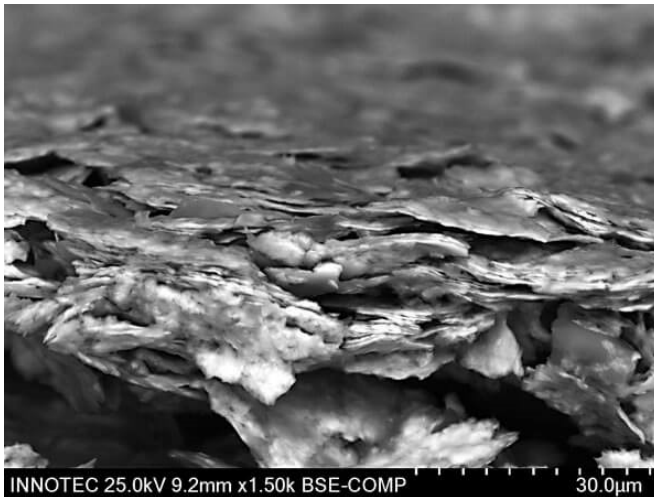
<https://www.doerken-mks.de/en/coating-solutions/zinc-flake/>

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The coating is built up in four layers: two base layers of zinc flake coating and two top layers. The layers are applied by a centrifuge system and fixed by a process similar to thermosetting varnish.

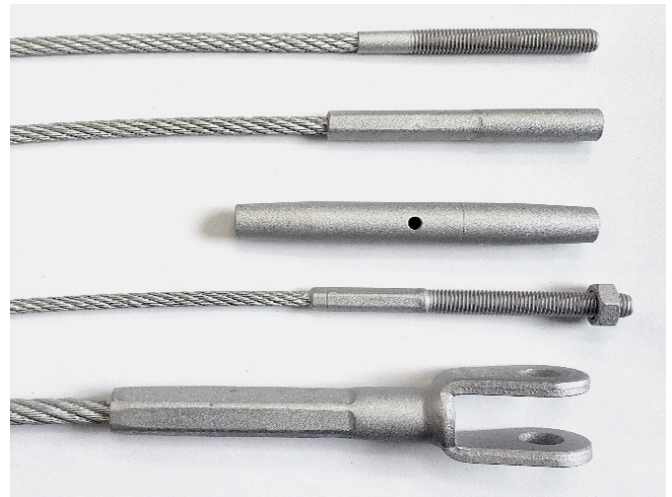


Macro image of zinc flakes [source: doerken-mks.de].

Basecoat – DELTA TONE 9000: The basecoat is the zinc flake coating and is applied directly to the substrate to be treated. This base layer determines the corrosion protection properties. The zinc content provides a high level of cathodic corrosion protection.

Topcoat – DELTA SEAL GZ: The topcoat complements the properties of the basecoat and gives the coating additional multifunctional properties – in our case, it is mainly used for providing the final color like silver-grey (natural) or black.

The coating material achieves a protective effect of over 1,000 hours against base metal corrosion in the neutral salt spray test in accordance with ISO 9227.



Coated product examples of Jakob Rope Systems.