

04.09.2024

X-TEND[®] powder coated - Resistance to artificial cat urine

Method: Comparative corrosion tests with artificial cat urine

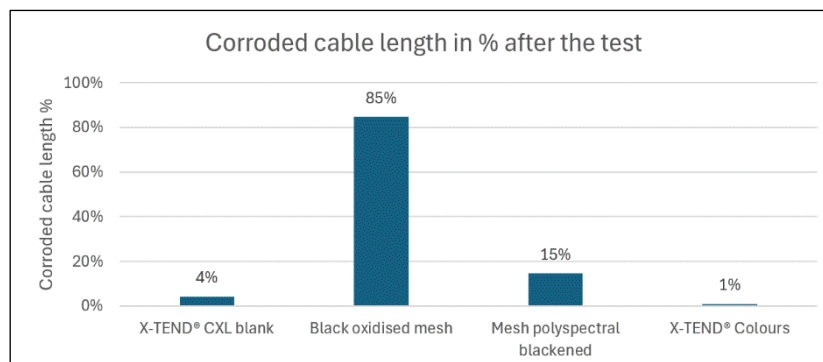
Test basis: Corrosion tests in a climate chamber, with:
12h dry / 12h humid at 45°C
2x daily wetting with test liquid

Test liquid*: Artificial cat urine according to Handbuch der Zoologie (C.Heidermanns: 8. Band, Physiologie der Exkretion und E. Heinz: Water balance)

*Cat urine was selected because, according to the relevant literature, it has the strongest corrosive effect compared to other animal species.

Test result:

- X-TEND[®] CXL blank: 4% of the rope length corroded
- Black oxidized mesh: 85% of the rope length corroded
- Mesh polyspectral blackened: 15% of the rope length corroded
- X-TEND[®] Colours: 1% of the rope length corroded



The special polymer coating of X-TEND[®] Colours forms an additional protective layer that protects the coated material from corrosive animal urine. This increases the service life of the stainless-steel cable mesh, whereas other (mainly chemical) blackening processes impair it.

As this is a comparative test, no conclusions can be drawn about the actual working life.

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