

HELOXAL

HIGH PERFORMANCE ELOXAL

The innovative Heloxal coating process results in superior corrosion-resistance and a high degree of electric strength.

Heloxal is a product innovation from BWB Surface Technology that revolutionises the corrosion resistance of anodised coatings. In the industry-standard bubble test, a corrosion resistance of over 10 hours was demonstrated on the aluminium alloy EN AW-6082, while the usual market values for hard anodised coatings are less than one hour.



Aluminium component with Heloxal coating according to MIL-A-8625F (Type III)

ADVANTAGES

- Outstanding corrosion resistance
- BBT time (middle) of 775 minutes on EN AW-6082
- Coating hardness up to 600 HV
- Extremely high dielectric strength of more than 30 V/ μ m
- High degree of wear protection
- Highly heat-resistant up to 200°C

APPLICATIONS

The Heloxal coating is suitable for aluminium components of the alloy EN AW-6082, which must meet the highest requirements for corrosion resistance and dielectric strength in demanding environments:

- Semiconductor industry
- Mechanical engineering
- Food technology
- Electrical engineering

Maximum component sizes: 2000 x 500 x 1500 mm