

Electroless Nickel

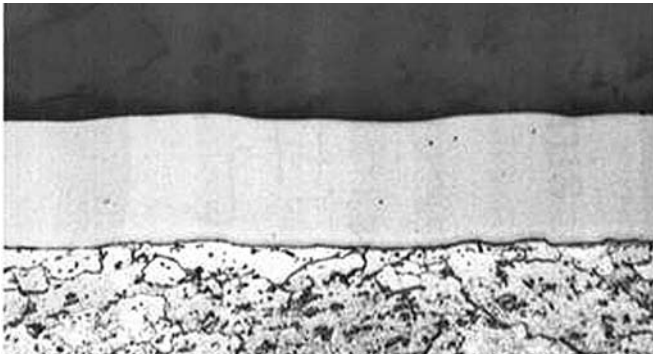


DURNI-COAT[®] - DNC-AL

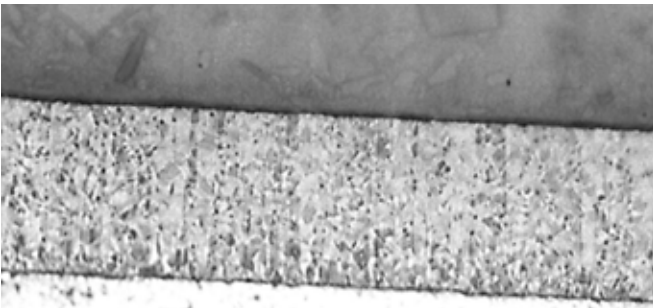
We add value to your parts

DURNI-COAT® - DNC-AL

DNC-AL is a variant of DURNI-COAT® - DNC 520, especially designed for Aluminum alloys. The phosphorous content of this layer is also 9-13%. DURNI-COAT® - DNC-AL provides a high wear and corrosion protection of the aluminum. Also complex shaped components are treated true to their original contours. Sharp edges and impressions, accessible cavities and bores are coated uniformly.



Plated, the layer is X-ray amorphous



After a heat treatment a crystal structure is formed



Uniform deposition of DNC-AL layer



DNC-AL is for example used for :

- Connectors and other fastening components
- Guides for textile machines
- Moving parts for machinery equipment
- Parts for the automotive industry

Layer Properties

These properties are applicable for sound DNC-AL layers.

Phosphorous Content	9 - 13%
Elongation at break	0,5 - 1,0% (Foil)
Abrasion	30-40 mg acc. Taber Abraser Test (CS-10 1.000 rotations)
Hardness	approx. 570 HV 0,05 without heat treatment approx. 1.000 HV 0,05 after heat treatment (Note: the strength of aluminum decreases)
Corrosion resistance	> 200 hours acc. DIN 50 02-ESS