



Nidega[®] pure Velvet

Fine-grained nickel layers

The Nidega[®] pure Velvet process is used to deposit uniformly matt and fine-grained nickel coatings on steel, copper and copper alloys. The surfaces are almost glare-free. The grip and scratching ability is good. The deposited coatings can be perfectly chrome-plated, silver-plated, gilded and painted.

With Nidega[®] pure Velvet, a fine-grained surface structure is achieved. The deposit is slightly matt and has a slight lacquer effect.

In principle, nickel plating takes place without circulation or filtration.

Please note:

In some cases, the plant technology and operating conditions deviate from usual bright nickel electrolytes. The Nidega[®] pure Velvet process is only suitable for rack application.



Properties and benefits

- Satin
- Good grip and scratch resistance
- Deposits can be plated further easily

Application area

- Only rack application



Technical Data

Electrolyte properties		
Parameter	Range	Preferably
Density	1.27 g/cm ³ (31 °Bé)	
pH	4.0 – 4.5 preferably	4,1 – 4,2
Nickel	100 – 108 g/l	
Chloride	7 – 13 g/l	
Boric acid	37 – 43 g/l	
Cathodic Current Density	3 – 8 A/dm ² preferably	4 – 6 A/dm ²
Anodic Current Density	1 – 3 A/dm ²	
Temperature	50 – 55 °C	
Deposition speed	Approx. 1 µm/min at 5 A/dm ²	

Deposit characteristics	
Structure.....	dull
Appearance.....	grey

Products available

0011000	Nickel sulphate
0011200	Nickel chloride
1061000	Boric acid
3099000	Nidega® pure Velvet Brightener 1
3099100	Nidega® pure Velvet Brightener 2
3099200	Nidega® pure Velvet Addition agent

FOR ANY FURTHER INFORMATION WE WILL BE PLEASED TO BE AT YOUR DISPOSAL
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