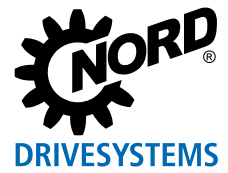


SURFACE AND CORROSION PROTECTION FOR EXTREME AMBIENT CONDITIONS



NORD geared motors with nsd tupH are the optimal choice for use in challenging ambient conditions.

NO PAINT – NO FLAKING!



Painted geared motor after 12 months of use in a damp and salty environment

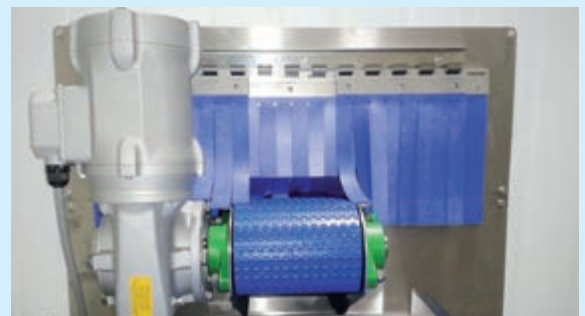


Geared motor with nsd tupH surface treatment after 12 months of use in a damp and salty environment

nsd tupH

Sealed Surface Conversion System

- Easy to clean surfaces
- Resistant to acids and alkalis (wide pH range)
- No blistering, even if damaged
- Cannot flake
- Corrosion-resistant, prevents contact corrosion
- Alternative to stainless steel
- Complies with FDA Title 21 CFR 175.300
- Free from chromates

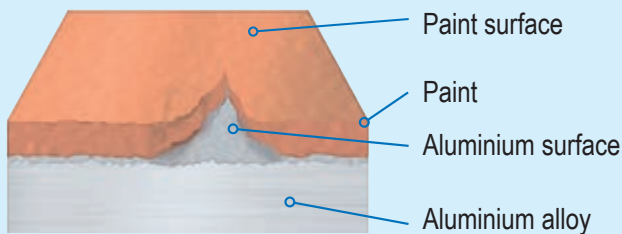


SURFACE AND CORROSION PROTECTION FOR EXTREME AMBIENT CONDITIONS

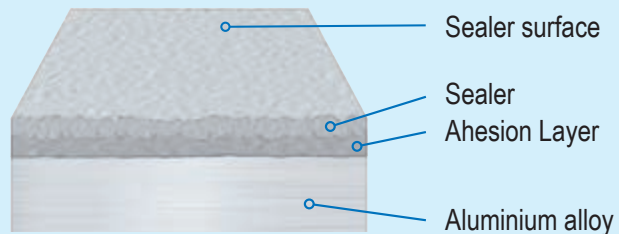
nsd^{tupH} – reduced costs, less weight, better process reliability

NORD DRIVESYSTEMS now has an answer for drive technology for extreme ambient conditions. Available for a wide range of familiar standard geared motors products but with the resistance of stainless steel and an excellent price-performance ratio: nsd tupH surface treatment.

How the nsd^{tupH} Sealed Surface Conversion System works:



Paint is applied to the surface and can even conceal porous surfaces. Because the paint does not form a permanent bond with the material it can flake off, even with little use.

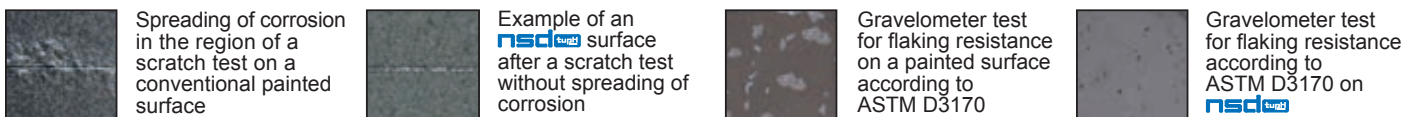


The nsd tupH process uses a binder which forms a permanent bond with the aluminium alloy and creates a perfect basis for bonding with the surface treatment. This combination provides extreme resistance and a harder surface than untreated aluminium.

Extensive tests with nsd^{tupH}:



* A comprehensive list of the tested cleaning agents can be requested by e-mail.



The complete solution for extreme conditions

- nsd^{tupH} Surface-treated housing component
- DIN and standard components made from stainless steel
- Wash-down housing (gear unit and motor)
- Stainless steel shafts
- Special shaft sealing rings
- Food-compatible oil

nsd^{tupH} for extreme requirements

- Food and beverage industry
- Pharmaceutical industry
- Water and sewage plants
- Car washes
- Offshore and coastal areas
- Cleaning with chemicals (Wash-down, wide pH range)

NORD products available with nsd^{tupH}:



NORD DRIVESYSTEMS Group

- Family business from Bargteheide near Hamburg with 4,000 employees
- Drive solutions for more than 100 branches of industry
- 7 production locations worldwide
- Present in 98 countries on 5 continents
- More information: www.nord.com

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