



nC Nano Corrosion Passivator Cold Alloy

Description

nC Nano Corrosion Passivator Cold Alloy (NCP CA) is based on surface bonding nanotechnology (sol-gel). The system will prevent metals from corroding. Both new or blasted metals (ferro or non-ferro) can have this treatment. NCP CA is applied by brush, roller or sprayer, without the need for a primer. This makes it a very fast, cost-effective and environment friendly solution.

nC Nano Corrosion Passivator Cold Alloy develops a cold alloy matrix within the metal surface. This offers a flexible protection, making metals immune for ambient influences like elevated temperatures, salt, water, chemicals or oxygen. The cold alloy bonds with the metal and withstands abrasion. Because of the chemical bonding, it can withstand welding temperatures. It will protect metals against corrosion for more than 15 years.

Benefits

TECHNICAL

- ✓ 2 components 1:3 ratio
- ✓ Bonds chemically
- ✓ Passivates metal
- ✓ DFT 15 micron
- ✓ Spread-rate 30-40g/m²
- ✓ Flexible in cold and heat
- ✓ Conductive
- ✓ Withstands up to 1.500°C
- ✓ Extremely abrasion resistant
- ✓ Free of lead and chrome
- ✓ Lifetime cycle > 15 years

OPERATIONAL

- ✓ No specialist equipment needed
- ✓ No primer needed
- ✓ Very fast curing time
- ✓ Low weight per m²
- ✓ Application by brush, roller or airgun / spraying
- ✓ No repairs after welding
- ✓ Shear, shock and abrasion resistant
- ✓ New on old possible
- ✓ Can be painted over

FINANCIAL

- ✓ Minimizes corrosion related costs
- ✓ Minimizes chipping and gritblasting costs
- ✓ Minimizes welding damage costs
- ✓ Low m² price
- ✓ No extra costs for specialist equipment

Cross-cut test DIN EN ISO 2409: 0

Accelerated salt-spray test DIN EN ISO 9227: No rust

VDA-test 621-415: No defects after 2000 hours



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Directions for use

- ✓ nC Nano Corrosion Passivator Cold Alloy is a 2 component coating.
- ✓ Mixing ratio Component A binder: 1 and Component B cold alloy: 3.
- ✓ After mixing, potlife is 3 days, store at 20°C.
- ✓ Surface needs to be free from dirt, paint or rust.
- ✓ Surface needs to be free from grease or oil.
- ✓ Surface may be wet, avoid standing or running water.
- ✓ Application by means of brush, roller or spray.
- ✓ Ambient temperatures during application must be between 8°C to 40°C.
- ✓ Ideal temperature of NCP CA between 20°C to 30°C in case of spraying.
- ✓ The surface will colour grey when cured.
- ✓ Painting after application of NCP CA is not necessary. You can paint over to get the right colour however.
- ✓ Use nC Nano Corrosion Passivator Cold Alloy for new or gritblasted metal. The cold alloy can be applied in one coat, without primer.
- ✓ Spread-rate is 30g-40g per m² or 25m² to 33m² per kilogram at 15 micron DFT.
- ✓ Apply wet-in-wet. You can paint over after 30 mins.
- ✓ Touch-dry after 30 mins, User ready after 60 mins.

Logistic info

- ✓ Store un-opened packagings at temperatures lower than 45°C.
- ✓ Store preferably in ambient temperatures between 5° Celsius to 25° Celsius.
- ✓ **Do NOT freeze product.**
- ✓ Never use pressure to empty drums.
- ✓ Dispose of contents/container in accordance with local/regional/national/international regulations.

- ✓ Lead time 3 to 10 days.
- ✓ Packaging: 1 liter, 5 liter, 20 liter, 200 liter, IBC.



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Logistic info

- ✓ Road transport ADR/RID and GGVE: ADR/RID, GGVS/E Class 3 Combustible Liquid Cipher/Letter 31 c
- ✓ UN-Number 1268
- ✓ Proper shipping name Combustible Liquid, n.o.s. (White Spirit, mixture), 3, III
- ✓ Sea transport IMDG/GGV Sea-Class 3.3
- ✓ Page 3345
- ✓ UN-Number 1268
- ✓ Packing-Group III
- ✓ EMS-Number 3-07
- ✓ MFAG 310
- ✓ Proper Shipping name Petroleum distillates, n.o.s. (White spirit mixture), 3, III
- ✓ Remarks flammable liquid, n.o.s., marine pollutant
- ✓ Air transport ICAO and IATA-DRG
- ✓ ICAO/IATA-Class 3.2
- ✓ UN/IATA-Class 1268
- ✓ Packing-group III
- ✓ Proper Shipping name Petroleum distillates, n.o.s. (White spirit mixture), 3, III
- ✓ Remarks flammable liquid, n.o.s.
- ✓ TRANSPORTATION OF DANGEROUS GOODS CLASSIFICATION CLASS: 3.3, UN 1268, PG III