

# Nano-Clear®

## Nano-Clear NCFP Functional Additive

Nano-Clear® NCFP Anti-Ice & Anti-Graffiti Additive is a proprietary, low surface energy additive. When admixed into Nano-Clear® Industrial (NCI), NCFP improves dirt, oil, water, ice and paint repellency.



### PROTECTION WITHOUT COMPROMISE

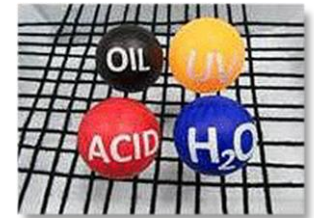
Nano-Clear® Industrial (NCI) is a proprietary nano-structured, polyurethane/polyurea hybrid, industrial grade, high-gloss top coating. NCI operates as a multi-functional coating which has remarkable protective properties developed for the restoration, enhancement, and extended service life (10+ years) of high value commercial, industrial, transportation, oil & gas, and military assets.

### TECHNICAL ADVANTAGES



Nano-Clear NCFP Additive admixed into NCI (NCI + NCFP) provides the following benefits:

- **Increases Repellency to**  
Water, Ice, Dirt, Oil, Paint, Organics, Algae
- **Increases Resistance to**  
Scratch, chip, and abrasion damage
- **Eases Cleaning**  
A more efficient anti-graffiti / paint release (at 2%, see **Table 1**)
- **Reduces Maintenance**  
Requires less frequent surface maintenance
- **Optimizes**  
Lifecycle and asset management



#### FEATURES:

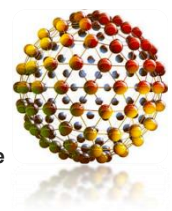
- ✚ VOC content for the NCFP (*less exempts*) Fluoropolymer Additive is 0% by weight allowing NCI to retain its 150g/L VOC content figure.
- ✚ NCI + NCFP blend can be applied to new or highly oxidized coatings, powder coatings, polyesters, gel coats, 2K epoxies / polyurethanes, e-Coats, fibreglass, and anodized aluminum.
- ✚ A simple Part A+B Admix – Stir In process.

### ADMIX % BY VOLUME

Part A NCI 100% Gal / Ltr	Part B: NCFP 1% Admix mls	Part B: NCFP 2% Admix mls
1 / 3.785	38	76
5 / 18.925	189	379

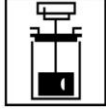
Table 1

Accurate admixing of NCFP into NCI is based on the volume of NCI. NCFP can be added to NCI from 1% to 2%. For verification that the desired repellency and resistance effect has been achieved, it is recommended that a test panel be sprayed with the NCI + NCFP mixture.



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## ADMIX PROCEDURES



1. Using an appropriate size scaled paint prep mixing cup, add NCI - Part A taking note of the volume.
2. To this volume, admix a minimum 1% to a maximum of 2% of NCFP – Part B (refer to **Table 1**).
3. Recap the NCFP container immediately after dispensing to avoid solvent evaporation.
4. Stir mixture by hand for 60 seconds.
5. For larger volumes, please use a compressed air powered mixer. **DO NOT** use an electric powered mixer.
6. The NCI + NCFP mixture is now ready for application.
7. NCI and NCFP can be pre-mixed and stored for application at a later time. However, this mixture will need to be vapour blanketed using an inert gas such as nitrogen for proper storage, and to retain NCI's shelf life. **Please contact** your Nano-Clear® representative for full details.

**NOTE:** NCI + NCFP can only be recoated after fully sanding surface with a 400 grit orbital sander.

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## APPLICATION, EQUIPMENT, FLASH OFF, AND DRYING DETAILS

### Post NCI and NCFP Admix

#### APPLICATION AND EQUIPMENT

- Follow application procedures and use listed equipment as per information provided in the **NCI TDS** document.



#### FLASH OFF

Flash off time between coats:

- Allow 2 to 5 minutes between wet coats to allow for solvent evaporation. **Avoid recoating wet coats of NCI + NCFP after 10 minutes as an "anti-graffiti effect" will occur.**



#### DRYING TIMES

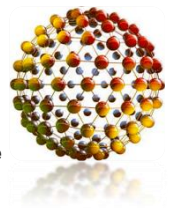
- Drying Time information is supplied within the **NCI TDS**.
- Follow the specified drying times for Nano-Clear® NCI.



#### EQUIPMENT CLEAN-UP

- Clean application equipment immediately after use with Acetone or MEK.
- **DO NOT** clean application equip with water or alcohol.

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## STORAGE AND SHELF LIFE INFORMATION



- **UNOPENED:** 12 months, tightly capped and in original container.
- **OPENED:** 6 months, tightly capped and in original container.  
**NOTE:** Container must be closed and capped immediately after product dispensing to prevent and reduce solvent evaporation.
- **TEMPERATURES:** Store opened and un-opened **NCFP** in a dry and low light area at temperatures between 40°F / 4°C and 72°F / 22°C. Higher temperatures will decrease shelf life.

## HEALTH AND SAFETY



**NCI and NCFP are for commercial and industrial use only**, and are not to be used for purposes other than those specified. The information within this TDS is based on past, present, and ongoing scientific and technical knowledge, and it is the responsibility of the user to take all necessary steps in order to ensure the suitability of the products for the intended purpose. For Health and Safety information, please refer to the material **Safety Data Sheets (SDS)**.

### **NANOVERE TECHNOLOGIES, LLC**

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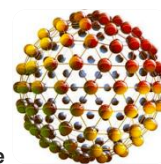
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