

PRODUCT DESCRIPTION

Nano-Clear® Accelerator (NCA) is a proprietary additive designed to accelerate the dust & tack-free times of Nano-Clear® Industrial (NCI) during coating applications.



PROTECTION WITHOUT COMPROMISE

Nano-Clear® Industrial (NCI) is a proprietary nano-structured (bottom-up engineering), transparent, polyurethane/polyurea hybrid, industrial grade, high gloss top coat. 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



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

- Faster dry/tack and cure times for NCI, (tack time as low as 20 minutes).
- Increased hardness without affecting flexibility.
- Easy incorporation into NCI prior to coating application.

NOTE: Due to the accelerated tack/dry time with the addition of NCA to NCI, it is highly recommended to employ two applicators during a coating project. Recoats by one applicator will be much more challenging to accomplish successfully.

NOTE: Admixing of the NCA to NCI must only be done just before the coating application.

FEATURES:

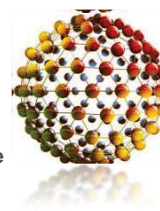
- ✚ VOC content for the NCA (*less exempts*) Accelerator Additive is 0% by weight allowing NCI to retain its 150g/L VOC content figure.
- ✚ NCI + NCA blend can be applied to new or highly oxidized coatings, powder coatings, polyesters, gel coats, 2K epoxies / polyurethanes, e-Coats, fibreglass, and anodized aluminum.
- ✚ A simple Part A+B Admix – Stir In process.
- ✚ Solids content: 10% by weight.

ADMIX % BY WEIGHT

Part A NCI 100%	Part B: NCA 1% Admix Grams	Part B: NCA 2% Admix Grams
100 gram	1 gram	2 grams
1000 grams	10 grams	20 grams
Tack Free Time (Minutes)	30	20

Table 1

Accurate admixing of NCA into NCI is based on the weight of NCI. NCA can be added to NCI from 1% to 2% (maximum) by weight. For verification that the desired resistance effect has been achieved, it is recommended that a test panel be sprayed with the NCI + NCA mixture.



Nano-Clear® 3D Molecule

ADMIX PROCEDURES

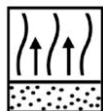


1. Using an appropriate size scaled paint prep mixing cup, add NCI - Part A taking note of the weight.
2. To this weight, admix a minimum 1% to a maximum of 2% of NCA – Part B (refer to **Table 1**) into NCI.
3. Recap the NCA container immediately after dispensing to avoid solvent evaporation.
4. Stir mixture by hand for ~60 seconds.
5. For larger weights, please use a compressed air powered mixer. **DO NOT** use an electric powered mixer.
6. The NCI + NCA mixture is now ready for application.

APPLICATION, EQUIPMENT, FLASH OFF, AND DRYING DETAILS Post NCI and NCA 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 - 5 minutes between wet coats to allow for solvent evaporation.



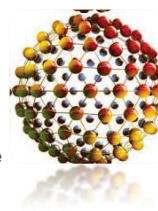
DRYING TIMES

- Drying time will depend on admix dosage, relative humidity and temperature.
- Admixing NCA to NCI will decrease tack and dust free times.



EQUIPMENT CLEAN-UP

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



Nano-Clear® 3D Molecule

STORAGE AND SHELF LIFE INFORMATION



- **UNOPENED:** 6 months, tightly capped and in original container.
- **OPENED:** 2 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 **NCA** 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 NCA 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)**.

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