Nano-Clear VV-200 Technical Data Sheet

Nano-Clear® VV-200 Functional Surface Treatment is a single component (1K) direct-to-substrate surface treatment / adhesion promoter. Nano-Clear VV-200 provides a covalent bond to properly prepared acid etched **aluminum & stainless steel.** VV-200 provides improved adhesion, corrosion, scratch and chemical resistance when applied over properly prepared surfaces.

PROTECTION WITHOUT COMPROMISE

Nano-Clear VV-200 is designed to be used as an adhesion promoter / primer between metals and Nano-Clear NCI Industrial Coating.

TECHNICAL ADVANTAGES OF VV-200

- **Surface Treatment / Coating**
  - VV-200 can be used alone or as a primer directly over steel, aluminum & stainless steel.
  - Provides corrosion resistance, scratch, chemical and UV resistance.
  - 7H pencil hardness when applied directly over aluminum, stainless steel, glass and other metals.
- **Adhesion Promoter**
  - VV-200 is a primer or "adhesion promoter" between aluminum, stainless and Nano-Clear NCI.
  - Forms a molecular bridge between inorganic substrates and Nano-Clear NCI Industrial Coating.
- **Easy Application**
  - Spray apply VV-200 directly on substrate using Conventional, HVLP or Airless spray equipment.

FEATURES:

- **VV-200 Adhesion Promoter** designed to be applied directly to acid etched aluminum, acid etched stainless and new TPO and ABS plastics prior to the application of Nano-Clear NCI.

DIRECT-TO-SUBSTRATE ADHESION PROMOTER SURFACE PREPARATION

- **Bare aluminum or stainless** requires phosphoric acid (85%), hydrochloric or hydrofluoric etching pre-treatment prior to the application of VV-200.
- **Important:** Remove acid residue using **Glasurit 360-4 Metal Cleaner** prior to the application of VV-200.
- Spray 1 wet coat of **VV-200** @ 1 mil wet film thickness (WFT) using an HVLP spray gun with a 1.4 mm spray tip and 29 psi at the gun.

- **Allow VV-200 to set 3 to 5 min. maximum prior to the application of Nano-Clear NCI.**
- **VV-200** Adhesion Promoter will cover up to 320 square feet (30 m^2).

EQUIPMENT CLEAN-UP

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

Nano-Clear® 3D Molecule

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STORAGE AND SHELF LIFE INFORMATION

- *UNOPENED:* 12 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 **VV-200** 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

Nano-Clear NCI and Nano-Clear VV-200 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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Nano-Clear® 3D Molecule

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