INFINIDECK PART A resin consisting of small *molecules* that are chemically different, they share certain common characteristics. The smaller molecule size has a significant effect on the visual appearance and physical properties of these resins. LMW resins level well because they make solutions of low viscosity even at high concentrations and will continue to level when they are applied and dry to a smooth and glossy film. Therefore, they saturate better than polymers. Some LMW resins are glossier than others, but they all dry in a glossy film compared to polymers.

The coatings exhibit strong anti-corrosive characteristics, also display antifouling and anti-icing properties.
The coatings from this polymer are hard, tough and have excellent abrasion and solvent resistance. These finishes are also resistant to water, alkali and acids, suitable to use for underwater application.
The most common substrates InfiniDeck coatings are: ferrous and nonferrous metal, glass, plastic, ceramic, sandstone marble, VCT, pavers, etc.

These systems exhibit excellent dirt pickup resistance and anti-graffiti properties.

INFINIDECK is reactive and has a 1-2 hours curing time

As with any product, use of InfiniDeck in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitability.

Special features

- excellent corrosion resistance
- extraordinary gloss retention and weather resistance
- chemical resistance
- suitable for ultra-thin coatings
- anti-graffiti effect

Technical information

- delivery form liquid
- appearance clear liquid
- non-volatile content > 99 %

- viscosity at 25 °C < 10 mPa s
- epoxy equivalent weight approx. 3500 g/eq

LIMITATIONS
This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Suitability for

- solvent borne
- 2-pack
- clear coat

Application

- offshore/marine coatings
- commercial transport coatings
- pipeline coatings
- structural steel coatings
- rail car coatings
- tank coatings
- anti-graffiti coatings
- photocatalytic coatings
- release coatings
- High temperature application for industrial facilities,
- power plants,
- incinerating plants,
- ventilators, turbines,
- silencers,
- ovens, chimneys, oven inserts, barbeques, electric and gas heaters
- anti-corrosion coatings
- Floors

- **Application procedure :**
  1. Substrate must be clean, dry and free of debris with a neutral PH
  2. Apply at 1-2 mil with brush, spray or roller applicator
  3. Must have air circulation. Stagnant air will cause matting.
  4. Dry time is 20-30 minutes

Processing instructions

Suitable hardeners are: reactive amine terminated silicon resin InfiniDeck Part B
The film thickness should be <10µm.
Avoid thermal cure or accelerated curing conditions at high temperature.

INFINIDECK ingredients are listed in the following chemical inventories:
ECL, EINECS, ENCS, NDSL, PICCS, TSCA.
All ingredients are listed on the TSCA inventory or comply with the TSCA Polymer Exemption criteria according 40 CFR 723.

Packaging

Quart and Gallon containers

Safety notes

Comprehensive instructions are given in the corresponding Safety Data Sheets. They are available on request from INFINITI COATINGS.