

PHYSICAL PROPERTIES

Polymer Chemistry: Nanostructured Polyurethane Hybrid

Mixing Ratio: No mixing required

Recommended Dry Film Thickness: 1.00 -2.00 mil (25- 50 IJm)

Pencil Hardness - ASTM D3363: 4H

Pendulum Hardness (Persoz) - ASTM D4366: 220

Abrasion Resistance - ASTM D4060: 8.4 mg loss

Impact Strength- ASTM D2794: > 140

Water Immersion Test- ISO 2812-2: Pass

QUV Resistance- ASTM D4587: 99%

Xenon WOM - ASTM G155: 99%

MEK Resistance- ASTM 04752: >1500

Salt Spray- ASTM B-117: 4000 hrs. no rust, no blisters

DMA- Crosslink Density- (X103 mol/m3): 2.17

VOC (less exempts): 1.25 lbs. / gal. or 156 g / L

Viscosity: 200cps

RESTORES:

LUSTER AND APPEARANCE

IMPROVES RESISTANCE TO:

- **CORRRSION**
- **SCRATCHES**
- **ABRASION**
- **CHEMICAL ATTACKS**
- **UV DAMAGE**



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Everlast Concrete Technologies

Nano Paint Rejuvenator & Protector (NPRP)®

*Breakthrough
Nanotechnology*

**Extreme Corrosion,
Chemical, Abrasion
& UV Resistance**

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**BEST PROTECTION &
ULTIMATE DURABILITY FIX
FOR
PAINTED SURFACES**

ECT-NPRP

Nano Paint Rejuvenator and Protector

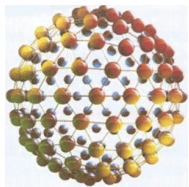


EVERLAST CONCRETE TECHNOLOGIES INNOVATIVE NANO COATING

Nano-Paint Rejuvenator and Protector® ECT-NPRP is the only industrial coating in the global marketplace to enhance, restore, and extend the service life of "freshly" painted or "oxidized" painted surfaces by 10+ years.

ECT-NPRP dramatically improves corrosion resistance, scratch, abrasion, chemical & UV resistance. ECT-NPRP penetrates deep into the pores of painted surfaces to enhance color, improve gloss, dramatically improve surface hardness and extend UV resistance.

ECT-NPRP is a one-component humidity cured / highly cross-linked / hybrid polyurethane nanocoating.



ECT-NPRP 3D POLYMER

- One-component formulation - save on labor and preparation time.
- High surface area coverage (1000 sq. ft. / gal. OR 93m² / 3.8L)
- Extends in-service life of newly painted or highly oxidized painted surfaces.
- Restores original color, gloss, surface hardness and extreme UV resistance.
- High scratch resistance (4H pencil hardness).
- Extreme chemical resistance (>1500 MEK rubs).
- Extreme weathering resistance (98-100% gloss retention).

Nano Paint Rejuvenator and Protector - Additive (ECT-NPRP - A)

NPRP-A mixed into NPRP will easily produce a specific level of "flatness".

- ◆ VOC content for the NPRP (less *exempts*) Matting Additive is 0% by weight allowing NPRP to retain its
- ◆ 150g/L VOC content figure.
- ◆ **NPRP + NPRP-A** can be applied to new or highly oxidized coatings, powder coatings, polyesters, gel coats, 2K epoxies / polyurethanes, e-Coats, fiberglass, and anodized aluminum and stainless steel.
- ◆ Simple Part A+B mix- Stir In process.
- ◆ High Nano-particle count: 20% solids, extreme surface coverage.
- ◆ NPRP-A's addition to NPRP will dramatically *increase*:
 - ◇ Pencil hardness from a 4H to 7H,
 - ◇ Chemical, atmospheric, weathering, environmental, and UV resistance,
 - ◇ Scratch, abrasion, and chip resistance, Corrosion resistance,
 - ◇ The technical performance specification for coating requirements.



Application Potential

- Bridges
- Tank Cars
- Trains
- Fleet Vehicles
- Painted Steel Buildings
- Construction Equipment
- Life Boats
- Ship Hulls
- Oil Pipeline
- Fuel Storage Tanks
- Air Conditioner Housing
- Anodized Aluminum
- Shipping Containers
- Stamped Concrete
- Garbage Dumpsters
- Epoxy Flooring
- Heavy Duty Machinery

AND

ANY PAINTED SURFACE