



# TECHNICAL DATA SHEET

# SUPER NOVA

## PRODUCT DESCRIPTION

The Concrete Protector's Super Nova is a two component, high solids, colored novolac epoxy.

**STANDARD COLORS:** Light Grey, Med Grey, Red  
**OTHER COLORS ALSO AVAILABLE:** Light Grey, Med Grey, Red  
**REVISION DATE:** September 20, 2021

### CURE SCHEDULE (75°)

**POT LIFE (1.5 GAL VOLUME):** 20-35 min

**TACK FREE (DRY TO TOUCH):** 4-8 hours

**RECOAT OR TOPCOAT:** 4-10 hours

**LIGHT FOOT TRAFFIC:** 9-18 hours

**FULL CURE:** 28 days

### COVERAGE

Recommended for areas where a medium build topcoat with optimal chemical resistance is needed.

**COVERAGE PER GALLON:** 85-100 sq. ft.

**MIX RATIO:** 2 parts of Part A to

1 part of Part B

**RECOMMENDED FILM THICKNESS:** 15-19 mils

**PACKAGING INFORMATION:** 3 gal. kit 15 gal. kit

## PHYSICAL PROPERTIES

**FLEXURAL STRENGTH:** 9,500 psi @ ASTM D790

**COMPRESSIVE STRENGTH:** N/A

**TENSILE STRENGTH:** N/A

**ADHESION:** 425 psi

**VISCOSITY:** 2100-2600 cps

**ABRASION RESISTANCE:** 19 mg loss

**ULTIMATE ELONGATION:** 590% @ASTM D-412

**HARDNESS:** D=85

**VOLATILE ORGANIC CONTENT:** .40# per gallon

**SHELF LIFE:** 1 year in unopened containers

## CHEMICAL RESISTANCE

REAGENT	REAGENT	REAGENT	REAGENT
ACETALDEHYDE	D	ALUMINUM BROMIDE	D
ACETIC ACID 5%	D	ALUMINUM CHLORIDE	TD
ACETIC ACID 10%	B	ALUMINUM FLUORIDE	TD
ACETIC ACID 25%	B	ALUMINUM HYDROXIDE	D
ACETIC ACID GLACIAL	A	ALUMINUM NITRATE	E
ACETIC ANHYDRIDE	D	ALUMINUM SULFATE	D
ACETONE 10%	C	AMMONIA	E
ACETONE 100%	C	AMMONIUM CHLORIDE	TD
ACETYL CHLORIDE	TC	AMMONIUM FLUORIDE	TC
ACETONITRILE	D	AMMONIUM HYDROXIDE	TD
ACRYLIC ACID	TD	AMMONIUM NITRATE	E
ACRYLONITRILE	TB	AMMONIUM OXALATE	D
ADIPIC ACID 25%	C	AMMONIUM NITRATE	TE
ALLYL ALCOHOL	TD	AMMONIUM PERSULFATE	D
ALLYL CHLORIDE	TC	AMMONIUM PHOSPHATE	D

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REAGENT	REAGENT	REAGENT	REAGENT
AMMONIUM SULFATE	D	CARBON TETRACHLORIDE	D
AMMONIUM SULFIDE	E	CASTOR OIL	D
AMMONIUM SULFITE	E	CELLOSOLVE	TD
AMYL ACETATE	TD	CELLOSOLVE ACETATE	C
AMYL ALCOHOL	D	CHLOROACETIC ACID 25%	C
ANILINE	C	CHLOROACETIC ACID 50%	A
ANILINE HYDROCHLORIDE	C	CHLOROBENZENE	D
ANTIMONY CHLORIDE	TC	CHLOROFORM	TC
AQUA REGIA	A	CHLOROPHENOL	A
ARSENOUS ACID	TC	CHLOROSULFONIC ACID	A
BARIUM ACETATE	D	CHLOROTOLUENE	TC
BARIUM BROMIDE	D	CHROMIC ACID 10%	B
BARIUM CARBONATE	D	CHROMIC ACID 40%	B
BARIUM CHLORIDE	D	CHROMIC CHLORIDE	B
BARIUM HYDROXIDE	TD	CITRIC ACID	E
BARIUM SULFATE	D	COPPER ACETATE	E
BARIUM SULFIDE	C	COPPER CHLORIDE	D
BENZYL CHLORIDE	TC	COPPER CYANIDE	TD
BENZOIC ACID	C	COPPER NITRATE	TD
BENZALDEHYDE	TC	COPPER SULFATE	D
BENZENE	TC	CORN OIL	D
BENZYL ALCOHOL	E	CORN STARCH SLURRY	E
BLACK LIQUOR (PAPER)	TD	CORN SUGAR	E
BLOOD SUGAR	TD	COTTONSEED OIL	D
BORAX	D	CREOSOTE	D
BORIC ACID	C	CRESYLIC ACID	TC
BRINE	E	CUMENE	D
BROMINE LIQUID	A	CUTTING OIL	D
BUTANOL	E	CYCLOHEXANE	E
BUTYL ACETATE	D	CYCLOHEXANONE	D
BUTYL ACRYLATE	TC	CYMENE	TD
BUTYL AMINE	TC	DETERGENTS ORGANIC	TD
BUTYL CARBITOL	TD	DETERGENTS SULFONATED	TD
BUTYL CELLOSOLVE	C	DEXTROSE	E
BUTYL ETHER	D	DIBUTYL PHTHALATE	E
BUTYRIC ACID	B	DICHLORACETIC ACID	TB
CALCIUM BISULFITE	E	DICHLOROBENZENE	D
CALCIUM BROMIDE	TD	DICHLOROETHANE	C
CALCIUM CARBONATE	D	DIESEL FUEL	D
CALCIUM CHLORATE	D	DIETHANOLAMINE	TD
CALCIUM CHLORIDE	E	DIETHYL BENZENE	TD
CALCIUM HYDROXIDE	E	DIETHYL KETONE	TD
CALCIUM HYPOCHLORITE	TC	DIETHYLENE GLYCOL	E
CALCIUM NITRATE	E	DIETHYL ETHER	D
CALCIUM SULFATE	C	DIMETHYL ANILINE	TC
CALCIUM SULFITE	C	DIMETHYL FORMAMIDE	A
CALCIUM DISULFIDE	B	DIMETHYL SULFOXIDE	B



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REAGENT	REAGENT	REAGENT	REAGENT
DINITRO BENZENE	TC	HYDROGEN SULFIDE 100%	TD
DINITRO TOLUENE	TC	HYPOCHLOROUS ACID	A
EPICHLOROHYDRIN	C	IODINE CRYSTALS/VAPOR	TD
ETHANOL	C	ISOPHORONE	E
ETHANOLAMINE	D	ISOPROPYL ACETATE	E
ETHYL ACETATE	C	ISOPROPYL ALCOHOL	E
ETHYL ACRYLATE	C	JET FUEL (JP-4) D KEROSENE	D
ETHYLAMINE	TC	LACTIC ACID 10-20%	D
ETHYL BENZENE	TD	LACTIC ACID 50%	C
ETHYL BROMIDE	B	LACTIC ACID 85%	A
ETHYL CHLORIDE	B	LAURIC ACID	TD
ETHYL DICHLORIDE	TB	LEAD ACETATE	TE
ETHYLENE GLYCOL	E	LEVULINIC ACID	TD
ETHYL SULFATE	TD	LINSEED OIL	D
FATTY ACIDS	TD	LITHIUM BROMIDE	TD
FERRIC CHLORIDE	E	LITHIUM CHLORIDE SAT'D	D
FERRIC SULFATE	E	LITHIUM HYDROXIDE	TC
FERROUS NITRATE	E	MAGNESIUM BISULFITE	D
FERROUS CHLORIDE	TD	MAGNESIUM CARBONATE	D
FERROUS SULFATE	TE	MAGNESIUM CHLORIDE	TC
FLUOSILICIC ACID 10-25%	A	MAGNESIUM HYDROXIDE	C
FORMALDEHYDE	D	MAGNESIUM NITRATE	TD
FORMIC ACID 10%	D	MAGNESIUM SULFATE	TD
FORMIC ACID 50%	B	MALEIC ACID	C
FUEL OIL	E	MANGANESE CHLORIDE	TD
FURFURAL ALCOHOL	TC	MANGANESE SULFATE	TD
GASOLINE AVIATION	D	MERCURIC CHLORIDE	TE
GASOLINE DIESEL	D	MERCUROUS CHLORIDE	TE
GASOLINE JET FUEL	D	METHANOL	C
GASOLINE UNLEADED	E	METHYL ACETATE	C
GLUCOSE	E	METHYLAMYL ALCOHOL	TD
GLYCERINE	TE	METHYL BENZOATE	D
GLYCOLIC ACID 70%	TB	METHYL CHLORIDE	B
GREEN LIQUOR (PAPER)	E	METHYLENE CHLORIDE	A
HEPTANE E HEXANE	E	METHYL ETHYL KETONE	C
HYDRAULIC FLUID	E	METHYL ISOBUTYL KETONE	D
HYDRAZINE 35%	TC	MILK E MOLASSES	E
HYDRIODIC ACID 20%	D	MINERAL OILS	TE
HYDROBROMIC ACID 18%	C	MINERAL SPIRITS	D
HYDROBROMIC ACID 40%	TB	MOTOR OIL	D
HYDROBROMIC ACID 60%	TB	M-PYROL	A
HYDROCHLORIC ACID 10%	D	NAPHTHA ALIPHATIC	E
HYDROCHLORIC ACID 36%	D	NAPHTHA AROMATIC	D
HYDROFLUORIC ACID	A	NICKEL CHLORIDE	TC
HYDROGEN PEROXIDE 10%	C	NICKEL NITRATE	D
HYDROGEN PEROXIDE 50%	A	NICKEL SULFATE	TD
HYDROGEN SULFIDE 5%	D	NITRIC ACID 5%	E

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REAGENT	REAGENT	REAGENT	REAGENT
NITRIC ACID 30%	C	SODIUM CHROMATE	D
NITRIC ACID 60%	A	SODIUM DICHROMATE	D
NITROBENZENE	TC	SODIUM FERROCYANIDE	TD
OIL SOUR CRUDE	E	SODIUM FLUORIDE	TB
OIL SWEET CRUDE	TE	SODIUM HYDROXIDE 10%	E
OLEIC ACID	D	SODIUM HYDROXIDE 50%	E
OLEUM	B	SODIUM HYPOCHLORITE 3%	D
OXALIC ACID	D	SODIUM HYPOCHLORITE 5-15%	A
PERCHLORIC ACID	C	SODIUM OXALATE	E
PERCHLOROETHYLENE	D	SODIUM PEROXIDE	E
PHENOL 5%	C	SODIUM PHOSPHATE 10%	E
PHENOL 85%	A	SODIUM SILICATE	TD
PHOSPHORIC ACID 40%	D	SODIUM SULFATE	E
PHOSPHORIC ACID 85%	B	SODIUM SULFIDE	E
PICRIC ACID 10%	TD	SODIUM SULFITE	E
POTASSIUM ACETATE	E	SODIUM TARTRATE	E
POTASSIUM BROMIDE	E	SODIUM THIOSULFATE	E
POTASSIUM CARBONATE	E	STEARIC ACID D STYRENE	D
POTASSIUM CHLORIDE	D	SULFAMIC ACID 25%	TC
POTASSIUM HYDROXIDE 10%	E	SULFURIC ACID 10%	E
POTASSIUM HYDROXIDE 50%	D	SULFURIC ACID 30%	D
POTASSIUM IODIDE	TD	SULFURIC ACID 98%	C
POTASSIUM NITRATE	E	TALL OIL	E
POTASSIUM PERMANGANATE	TD	TARTARIC ACID	TD
POTASSIUM PERSULFATE	D	TETROCHLOROETHANE	D
POTASSIUM SULFATE	E	TETRAHYDROFURAN	A
PROPIONIC ACID	C	THIONYL CHLORIDE	A
PROPYLENE GLYCOL E PYRIDINE	A	TOLUENE	D
SALICYLIC ACID	TD	TOLUENE SULFONIC ACID	D
SALT BRINE	E	TOLUIDENE	D
SILVER NITRATE	TD	TRICHLOROACETIC ACID 20%	B
SKYDROL	C	TRICHLOROETHANE	C
SODIUM ACETATE	E	TRICHLOROETHYLENE	TC
SODIUM BENZOATE	E	TRICESYL PHOSPHATE	TD
SODIUM BICARBONATE	E	TRISODIUM PHOSPHATE	E
SODIUM BISULFITE	TE	TURPENTINE	D
SODIUM BISULFATE	E	UREA SOLUTIONS	TE
SODIUM CARBONATE	E	WHITE LIQUOR (PAPER)	TD
SODIUM CHLORATE 50%	TD	XYLENE D ZINC CHLORATE	TD
SODIUM CHLORIDE	E	ZINC SULFATE	E
SODIUM CHLORITE	D		

RAITING KEY: A - NOT RECOMMENDED, B - 2 HOUR TERM SPLASH SPILL, C - 8 HOUR TERM SPLASH SPILL, D -72 HOUR IMMERSION, E - LONG TERM IMMERSION, T - NO SERVICE DATA, BUT SUITABLE FOR EXPOSURE.  
NOTE: EXTENSIVE CHEMICAL RESISTANCE INFORMATION IS AVAILABLE THROUGH YOUR SALES REPRESENTATIVE.

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## LIMITATIONS

- Substrate temperature must be 5°F above dew point.
- All new concrete must be cured for at least 30 days prior to application.
- This product is not UV color stable and may discolor when exposed to UV lighting.
- Color stability or gloss may be affected by environmental conditions such as humidity or chemical exposure

## BENEFITS

- Great chemical resistance
- Long pot life
- Fast drying

## INSTRUCTIONS

- 1) Combine 2 parts of Part A and 1 part of Part B, mix thoroughly.
- 2) Apply using a multi-use trowel or  $\frac{3}{8}$ " nap roller

## NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY:

The Concrete Protector (Division of Incredible Products, LLC), warrants that all products are assembled under rigorous quality assurance specifications and that all information supplied is exact. All information supplied is not to be taken as a warranty, but for you to conduct your own test to determine if the given product is suitable for your distinct purpose. The following list of properties should not be interpreted as specifications. CONVEYED OR SUGGESTED, NO WARRANTY IS BUILT UPON ANY DISCOVERED RESULTS OR INFORMATION YOU WILL OBTAIN DURING USE. CONVEYED OR SUGGESTED NO WARRANTY IS BUILT THAT THE GIVEN PRODUCT SHALL BE MARKETABLE OR THAT THE GIVEN PRODUCT WILL BE FIT FOR ANY DISTINCT PURPOSE. NO WARRANTY IS BUILT UPON SAID INFORMATION OR THAT THE GIVEN PRODUCT WILL NOT INFRINGE UPON ANY PATENT. The Concrete Protector is NOT liable for, direct or indirect, inadvertent or consequential damages. The Concrete Protector's liability is and will only be limited to the net selling price of our products or, at our discretion, the replacement of our products. Upon delivery of our products, your acceptance means that you accept all terms of this warranty even if other documents and or purchase orders astray from the terms of this warranty. No representative, on our behalf, is permitted to make any representation, warranty, or assume liability with any sale of our products. OUR PRODUCTS CONTAIN CHEMICALS THAT CAN CAUSE SERIOUS PHYSICAL INJURY. BEFORE THE USE OF OUR PRODUCTS, READ ALL MATERIAL AND FOLLOW ALL LISTED PRECAUTIONS TO AVOID ANY BODILY HARM