



TECHNICAL DATA SHEET

PERFECT POLY 90

PRODUCT

The Concrete Protector's Perfect Poly 90 is an UV resistant polyaspartic. Perfect Poly 90 is a topcoat for The Concrete Protector's GRANIFLEX systems. It is fast curing and specifically formulated to be installed in thin mil applications. It is designed for use in all areas where VOC limits are a concern, including Southern California.

STANDARD COLORS: Clear
OTHER COLORS ALSO AVAILABLE: N/A

CURE SCHEDULE (75°)

POT LIFE (1.5 GAL Volume) 30-45 mins

TACK FREE (DRY TO TOUCH) N/A

RECOAT OR TOPCOAT 2-5 hours

LIGHT FOOT TRAFFIC 6-8 hours

FULL CURE 28 days

COVERAGE

Recommended for use as a topcoat on concrete, plywood, cold storage areas, steel, plastic, chemical plants, and industrial when Graniflex system is installed.

COVERAGE PER GALLON: 1 Gal-100 Sq Ft

MIX RATIO: 1 Part A to 1 Part B

RECOMMENDED FILM THICKNESS: 14 +/- 2 mils

PACKAGING INFORMATION: 2 Gallon Kit, 10 Gallon Kit

PHYSICAL PROPERTIES

COMPRESSIVE STRENGTH: N/A

TENSILE STRENGTH: 3500 psi

ADHESION: N/A

VISCOSITY: Part A 200 cps Part B 1300 cps

ABRASION RESISTANCE: N/A

ULTIMATE ELONGATION: 50 +/- 18%

HARDNESS: 70 Shore D

VOLATILE ORGANIC CONTENT: 0.82 g/l

SHELF LIFE: 1 year in unopened containers

CHEMICAL RESISTANCE

REAGENT	RATING
XYLENE	4
TOLUENE	4
ISOPROPYL ALCOHOL	3
METHYL ETHYL KETONE	4
HYDROCHLORIC ACID 10%	1
HYDROCHLORIC ACID 5%	1
PROPYLENE CARBONATE	3
ACETIC ACID 10%	1
PHOSPHORIC ACID 10%	1
SULPHURIC ACID 60%	4
SULPHURIC ACID 10%	1
SULPHURIC ACID 5%	1
MOTOR OIL	1
GASOLINE	1
BRAKE FLUID	4
TRANSMISSION FLUID	1
SKYDROL	4
POTASSIUM HYDROXIDE 10%	2
POTASSIUM HYDROXIDE 20%	2
SODIUM HYDROXIDE 10%	2
SODIUM HYDROXIDE 20%	2
10% SUGAR WATER	1

PERFECT POLY 90

RATING KEY: 1 – NO VISIBLE DAMAGE, 2 – LITTLE VISIBLE DAMAGE, 3 – SOME EFFECT SWELLING, DISCOLORATION, 4 – NOT RECOMMENDED, 5 – SATISFACTORY FOR SPLASH, SPILLAGE AND SECONDARY CONTAINMENT.

NOTE: EXTENSIVE CHEMICAL RESISTANCE INFORMATION IS AVAILABLE THROUGH YOUR SALES REPRESENTATIVE.

LIMITATIONS

On grade slabs must perform a moisture-vapor transmission test.

Surfaces must be dry, clean and free of foreign matter. Clear coating may turn opaque and cloudy due to moisture penetration, especially exterior.

Surfaces may be slippery when wet.

WARNING: This product contains isocyanates and solvent

INSTRUCTIONS

PRODUCT MIXING: Perfect Poly 90 Part-A and Part-B should be mixed individually before combining. Add Part-B to Part-A while mixing, using a mechanical mixer at medium speed.

1. Mix up only a little at a time (1/2 gallon: 1 quart of A & 1 quart of B or mix 1 gallon: 2 quarts of A & 2 quarts of B) until the two components are mixed together well (45 seconds - 1 minute). *Pour into another pail & take to floor.*
2. Immediately pour the entire amount of mixed Perfect Poly into a puddle/ribbon.
3. Wearing spiked shoes, use a magic trowel to pull the Perfect Poly tightly across the surface (use gentle down pressure on your magic trowel to leave a thin film behind). *For example, you could move left to right and then back to your left) keep the magic trowel angled and the puddle flowing towards you as you move the magic trowel across the surface.*
4. After an area is done being troweled, use an 18" long 3/8" nap roller and roll (always saturate your roller in a puddle of Perfect Poly first before rolling).
5. Overlap roller by 1/3rd as you move across the floor.
6. Always work between control joints when possible (do not fill or allow sealer to pour into the control joint). *When pouring sealer on surface, always keep puddle several inches away from the joints (use your saturated roller to coat the joint areas when rolling)*

SURFACE PREPARATION: Refer to the TCP Training manual and the ICRI standards for proper surface preparation.

CLEANUP: Equipment should be cleaned with an environmentally safe solvent.

FLOOR CLEANING: Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

RESTRICTIONS: Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR

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