



## Technical Data Sheet

### Product description

: A very low VOC, two component hybrid polyaspartic system designed to maintain the integrity of various surfaces such as concrete, wood, metal etc. It exhibits excellent UV stability as well as good mechanical properties, good chemical and solvent resistance, while showing a very good aesthetic appearance.

This polyaspartic provides adhesion while providing excellent physical and chemical resistance. This coating meets LEED standards. Provides excellent resistance to abrasion and chemical resistance. Superpoly meets a variety of requirements such as durability, performance as well as aesthetics. This seamless coating offers an unlimited choice of color, and a smooth or nonslip finish can be achieved using a very fine to very aggressive aggregates. This system has been approved by the USDA Food Inspection Agency for surfaces. It meets LEED standards. CCTR also meets FDA and USDA as a antimicrobial surface. The key characteristics for any food-safe surface are that it must be smooth, non-porous, and durable to prevent bacterial growth and allow for effective cleaning and sanitization.

### Advantages

- Very low odor
- Very low VOC
- UV stable
- Aesthetic finish
- Good chemical resistance
- Good mechanical properties
- Easy to clean, bacteria and moisture resistant surface

### Uses

- Industrial flooring,
- Bridges,
- Maintenance facilities,
- Aircraft hangar
- Flooring,
- Car washes
- Areas needing a resistant flooring topcoat.

Cure Time	
Tack Free	3 hours
Foot Traffic	4-6 hours
Light Traffic	24 hours
Full Cure	7 days
Working Time	30-35 min
Suggested Coats	1-2

Technical Properties		
Preferred Application Temp.		40°F - 100°F
% Solids by Weight		93.5%
VOC content		>3 g/L
Mixing Ratio by Volume		1:1
Mixed Viscosity		300-400 cps
Recoat Time		4-6 hours
Compressive Strength	ASTM D695	9000-1000 psi
Tensile Strength	ASTEM D638	7000-8000 psi
Permeability	ASTM D570	2%
Abrasion Resistance	ASTM D4060	0.10 g
Bond Resistance	ASTM D4541	268 psi
Shore D Hardness	ASTM D2240	70-75
Elongation	D638	100%

**FOR PROFESSIONAL USE ONLY!!**

**Surface Preparation:** Surface must be clean, sound and dry. Prior to coating a floor all trowel marks and surface imperfections must be removed to produce a smooth & uniform surface. Proper surface preparation is critical to ensure an adequate chemical bond to substrate. Substrate must be dry and free of all wax, grease, oils, fats, soil, contaminants, loose or foreign matter and laitance. Concrete should be cleaned and prepared using a shot blast machine or adequate grinding equipment to achieve a CSP-3 to CSP-4 profile as per ICRI guidelines. Compressive strength of concrete should be at least 3,500 psi (24 Mpa) @ 28 days and at least 215 psi (1.5 Mpa) in tension at time of product application

**Mixing:** The poly is supplied in factory proportioned quantities, greatly reducing the risk of applicator error during mixing.

Step 1 - Mechanically premix PART A (resin) with an appropriate slow speed drill equipped with a Jiffy Mixer, for 1 minute.

Step 2 - Slowly empty entire content of PART B into container holding PART A and continue to mix slowly for 3 minutes until uniform consistency in texture and color is achieved. Avoid unnecessary entrapment of air during mixing. Make sure to scrap e walls and bottom of container with straight edged trowel at least once to ensure homogeneous mix. Make sure to empty ALL contents of PART B into PART A to avoid system weakening or incomplete curing.

DO NOT MIX MORE MATERIAL THAN CAN BE APPLIED WITHIN WORKING TIME LIMITS.

**Application:** Should be applied with a rubber squeegee and back rolled with a 10mm lint-free nap roller (on smooth surfaces) to remove squeegee lines and smooth out coating

**Application Temp.** Recommended application temp between 40° F and 100° F, product can be applied below 40° F as long as substrate is moisture free.

**Limitations** Prior to application, measure and confirm Substrate Moisture Content, Ambient and Surface temperatures and Dew Point

Substrate Moisture: Moisture within substrate must be  $\leq 4\%$  by mass as measured by Tramex® type concrete moisture meter on mechanically prepared surface.

Dew Point: AVOID CONDENSATION. The substrate must be at least 3° C above Dew Point to reduce risk of condensation. Condensation may lead to failure in adhesion. Avoid situations where substrate temperature is considerably lower than ambient temperature.

Do not add thinners or solvents to mix. Do not add water. Dispose of waste materials in accordance with government regulations. The use of safety glasses and protective gloves is required. In case of contact, flush areas with abundance of water for 20 minutes and seek medical assistance. Wash skin with soap and water. Use only in well ventilated areas

