



## PRODUCT DATA SHEET

Poly 80 Slow

### I. PRODUCT AND MANUFACTURER IDENTIFICATION

<b>Product Name</b>	<i>Poly 80 Slow</i>		
<b>Manufacturer</b>	Concrete Floor Supply		
<b>Address</b>	13024 2 <sup>nd</sup> Street Suite A Grandview, MO 64030 U.S.A.		
<b>Emergency Phone</b>	844-599-2319		
<b>Information Phone</b>	844-599-2319		
<b>Email</b>	team@concretefloorsupply.com		
<b>Website</b>	<a href="http://www.concretefloorsupply.com">www.concretefloorsupply.com</a>	<b>Date Revised</b>	May 15, 2018

### II. DESCRIPTION

Poly 80 Slow is our new, two-component Polyaspartic Aliphatic Polyurea utilizing innovative nanotechnology. It provides a high gloss clear, UV stable coating. Poly 80 Slow has a slower cure time which allows the applicator more work time to do larger jobs.

Poly 80 Slow can be used for most types of interior applications over a properly prepped surface. It's superior penetration and bonding strength provide excellent abrasion, impact and wear resistance. Poly 80 Slow yields chemical splash and spill resistance and hot tire pick-up resistance and can be used easily in conjunction with quartz, chips and rubberized aggregate systems.

### III. ADVANTAGES AND CONSIDERATIONS

- Provides ultimate abrasion, impact and wear resistance far exceeding many other applications
- Pot Life of up to 60 minutes
- Its excellent penetrating and bonding capabilities provide many years of durability.
- Highly economical considering the days of labor that can be saved.
- Avoid applications on surfaces without effective vapor barriers
- Surfaces must be sound and without contaminates.
- Application temperatures should be 40-85°F

#### IV. PHYSICAL PROPERTIES

Solids by Weight	80%
Solids Content	80%
VOC	< 250 grams per liter
Color	Clear or Pigmented
Coverage Per Gallon	150-300 square feet per gallon
Packing Information	2 Pint, 2 Gallon and 10 Gallon
Mix Ratio	1-part A to 1-part B by Volume
Falling Sand Abrasion Resistance	30 liters sand/1 dry mil ASTM D 968
Shelf Life	1 year in unopened containers
Mandrel Bend	ASTM D 522: Passes, no cracking, 1/8" mandrel bend
Blush Resistance	Excellent
Solvent Resistance	Excellent
Concrete Adhesion	Excellent
DOT Classification	Part A: Not Regulated Part B: <b>CORROSIVE LIQUIDS N.O.S., 8, UN2735, PGIII</b>
Tensile Strength	4500-5000 psi @ ASTM D638

#### VI. CURE SCHEDULE 75°F

Pot Life	1 Hour
Recoat or Topcoat	9-18 Hours Minimum
Light Foot Traffic	12-15 Hours Minimum
Heavy Traffic	36-48 Hours

#### VII. LIMITATIONS

- **Poly 80 SLOW** will not freeze during storage, however, allow temperature to rise to 50 degrees F prior to application.
- All HVAC ventilation ducts should be somehow blocked prior to application so solvents fumes are not distributed.
- Keep away from open flames. **Poly 80 SLOW** is flammable and is susceptible to ignition.
- It is not recommended to apply **Poly 80 SLOW** any floor without recommended preparation.
- Coverage rates depend upon many conditions including application method, surface porosity, applicator, etc.
- **Poly 80 SLOW** was designed for interior applications only.
- Please be aware that this product when cured may be slippery when wet.

- **Poly 80 SLOW** has resistance to many chemicals, however testing chemical resistance is always recommended.

## VIII. MIXING AND APPLICATION INSTRUCTIONS

**SURFACE PREPARATION:** The concrete surface must be deemed mechanically and structurally sound, completely clean, and dry. To achieve the above desired results, a mechanical grinding method should be performed to an approximate 50-100 grit profile to insure flatness of the substrate, to remove surface impurities, and to profile the surface of the floor to a CSP-2, as recommended by the ICRI Technical Guideline No. 03732. If mechanical means of preparation are not suitable, it is recommended to prepare the surface with a Super Blue solution of 1 pt. Super Blue to 4 pts. water.

**MIXING:** Proper mixing is pertinent to application success. In equal parts (1:1), mix Part A and Part B using a clean, dry working pot (mixing container). Stir contents approximately 30-60 seconds. Avoid over-mixing or creating a vortex which could introduce moisture content to the mixture. No induction time is required prior to use, nor after mixing. If integrating anti-skid media agents, only do so after Parts A & B have been thoroughly mixed.

**POT LIFE:** Expected workable pot life after mixing Part A and Part B is approximately 60 minutes at a common temperature range of 70 F -80 F at roughly 50% relative humidity. Please note that higher temperatures and high percentages of humidity will shorten pot life, as colder temperatures and lower percentages of humidity will extend the coatings pot life.

**APPLICATION INSTRUCTIONS:** Application of **Ploy 80 Slow** should be completed using a 3/8" synthetic nap, phenolic core roller, or a lamb's wool cover for pigmented, stained floors, or media coats. Use a foam squeegee and back roll with the roller over media floors (quartz or chips). It is recommended to use only 18" wide squeegees and rollers. If considering using airless application method, consult the manufacturer prior to application. Please note that the use of pump-up style spray bottle may create visible bubbles, blisters, and pinholes and is not recommended.

## VIII. WARRANTY

**Concrete Floor Supply®** warrants that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine suitability of our product for your purpose. Listed physical properties are typical and should not be construed as specifications. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.