



Coatings Source Intl.

SUPERIOR QUALITY

COMPETITIVE PRICING

EXCELLENT CUSTOMER SERVICE

# Technical Data Sheet Polyaspartic R/Fast

### Highlights

- Fast cure- rapid return to service
- Abrasion Resistant
- UV Stable
- Universal Pigment pack system
- Super Adhesion
- Excellent Clarity
- Ideal for Decorative, Industrial, Commercial & Residential
- Open to foot traffic in 4 hours
- Open to heavy traffic in 24 hours
- Excellent Chemical resistance
- High temperature resistant 180F
- Hot tire pick-up resistant

### Uses

- Manufacturing
- AeroSpace
- Hospitals
- Health Care
- Institutions
- Kitchens
- Veterinary
- Garage Floor

### Limitations

- Minimum surface profile CSP 3
- Dynamic cracks must be honored.
- Nonmoving cracks 10 mil and under need 20 mils of MVT Epoxy
- Minimum thickness 16 mis. Substrates with a profile greater than CSP 3 will use more material.

### Packaging

- 1 Gallon kit
- 3 Gallon kit
- 15 Gallon

## Material Properties

Mixed VOC Content:	25- 10 G/L	ASTM D-570 Water Absorption (24 hrs.):	<0.5%
Mix Ratio (by volume):	2:1	ASTM D-635 Flammibility:	Self-Extinguishing
Tack Free Time:	2-6 hours	ASTM D-638 Tensile Strength psi	4,500–5,200psi
Recoat Time (min/max):	4hrs./8 hours	ASTM D-638 Tensile Elongation %:	6%-8%
Cure Time 75 F		ASTM D-695 Compressive Strength	
Light Foot Traffic:	4 – 6 hours	@ 24Hrs:	7,500
Vehicular Traffic:	24-36hours	@ 7 Days:	9,800
Hardness Pendulum	175	ASTM C-722 Monolithic Surfacing:	Pass
Gloss (60 degrees)	96	ASTM D-2794 Impact Resistance:	Pass
Bond Strength	400 psi	ASTM D 4060 Abrasion Resistance (CS-17):	36mg

### Description

CSI Polyaspartic is a two-component, high solids aliphatic Polyaspartic that is designed to be used in a wide range of flooring systems. CSI Polyaspartic has been uniquely formulated to be used direct to concrete or as a finish coat. CSI Polyaspartic comes in regular cure and a Fast cure option. With a higher-than-average pot life and its low viscosity makes it easier to apply than most other brands on the market. This product can be used over decorative flake, color quartz broadcast floors, pigmented coatings, high build self-leveling slurries and heavy-duty mortars. Its rapid curing properties gives the ability to return to full service within 24 hours. It is UV stable and therefore can be used both indoors and outside without yellowing. It has excellent abrasion resistance retaining its high gloss appearance.

## Surface Preparation

Surface preparation is critical for proper adhesion and performance. The surface must be dry, porous, clean, sound, and free of grease, oil, curing compounds, dust, mastic and other contaminants or bond breakers. CSI utilizes the International Concrete Repair Institute's (ICRI) Concrete Surface Profile (CSP) standards for specifying finished surface roughness prior to applying Polyaspartic. If applying CSI polyaspartic direct to concrete, it is highly recommended to mechanically profile the surface to achieve ICRI Concrete Surface Profile (CSP) 2-3. Upon completion of mechanical preparation, remove all shot, dust, dirt and debris. CSI does not recommend acid etching to obtain the specified profile, however, if acid is used to obtain the surface profile, in lieu of mechanical profiling, the surface must be washed, neutralized, and allowed to dry completely for at least 24 hours. The use of acid for surface profiling does void the manufacturer's warranty. If applying Polyaspartic over epoxy coatings it is recommended to sand the surface with 120 grit screens and acetone wipe the surface.

Determine the substrate Moisture Vapor Emission Rate (MVER) per ASTM F1869 prior to placing CSI Polyaspartic direct to concrete. Acceptable substrates have an MVER less than or equal to 3 lbs/1000 sq ft per 24 hours and relative humidity less than or equal to 70%. For readings in excess of 3lbs and less than 24lbs refer to CSI MVS Tech Data sheet. For readings in excess of 24lbs contact CSI technical support technician for recommendations.

## Mixing

Organize work area so that all personnel and equipment are in place before mixing. Pour part A into a bucket (if pigmented premix for 2 minutes at low speed (less than 500 rpm) then add part B and mix for 2 minutes continuing with low speed to avoid air entrapment. Do not mix more than what can be placed within 30 minutes. **DO NOT HAND MIX.** Ensure that the material from the sides and bottom of the bucket have been thoroughly mixed in. Pot life is 10 minutes at 75 degrees. Pot life with Fast Cure additive is 5 minutes. Pot life and work times are shortened by higher temperatures. Pouring material onto the floor in ribbons immediately after mixing will extend the work time

## Application and Clean Up

Tools may be cleaned with Xylene, or other solvents prior to material hardening.

## Handling Precautions

For complete instructions on handling and use, consult the corresponding Material Safety Data Sheet before using product. It is the user's responsibility to review instructions and warnings for any CSI products.

Avoid contact with the skin and use protective equipment as required. Wear protective gloves, protective clothing, eye protection, face protection and appropriate respirator equipment. Use in well ventilated areas. Dispose of contents and containers in accordance with local, state and federal regulations.

## Warranty

CSI Polyaspartic is a proprietary product that is warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. Seller and manufacturer's obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective. The user assumes all other risks and liabilities resulting from use of this product. If you have any questions, please contact CSI.

## Shelf Life

CSI Polyaspartic has a 1year shelf life from date of manufacturing when properly stored in a dry, temperature-controlled environment.

## First Aid

**EYES:** Flush thoroughly with water, lifting both eyelids. Get immediate medical attention.

**SKIN:** Wash with soap and water. If irritation develops seek medical attention.

**INGESTION:** Do not induce vomiting. Get immediate medical attention.

**INHALATION:** Remove to fresh air immediately. If breathing difficulty continues, administer oxygen. Get immediate medical attention.

## Slip and Fall Precautions

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. CSI recommends the use of angular slip resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. CSI or its sales agents will not be responsible for injury incurred in a slip and fall accident.