



SUPERIOR QUALITY

COMPETITIVE PRICING

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# Technical Data Sheet EpoxyAll 100 HV

### Highlights

- Easy to Use
- High Viscosity for single coat flake flooring and stem wall applications
- Self-priming
- Saves time and money.
- Pigment with CSI pigment pack
- Reduces inventory with pigment packs.
- Low Odor/No Odor
- Non bubbling
- Super Adhesion
- Fast cure version available
- Best in class

### Limitations

- Interior Use Only
- Do not apply to damp concrete.
- Do not apply when ambient temperatures are below 40°F or above 100°F
- Do not apply when relative humidity is above 70%
- Prior to application, ensure ambient temperature and humidity are at least 5 degrees F above dew point.
- High temperature will decrease pot life, working time, cure time and recoat window.
- Low temperature will increase viscosity, pot life, working time, cure time.

### Uses

- Residential/Commercial, Industrial
- Flake and pigmented coatings
- All applications requiring Epoxy coatings with moisture vapor transmission levels below 3 lbs.

### Packaging

- 1.5 Gallon kit
- 3 Gallon kit
- 15 Gallon

## Material Properties

Mixed VOC Content:	0g/L	ASTM D-638 Tensile Strength psi	4,500–5,200psi
Mix Ratio (by volume):	2:1	ASTM D-638 Tensile Elongation %:	4%-6%
Tack Free Time:	6-8 hours	ASTM D-695 Compressive Strength	
Recoat Time (min/max):	8hrs./24hrs	@ 24Hrs:	7,500
Light Foot Traffic:	24 hours	@ 7 Days:	9,800
Vehicular Traffic:	96 hours	ASTM C-722 Monolithic Surfacing:	Pass
ASTM D-570 Water Absorption (24 hrs.):	<0.5%	ASTM D-2794 Impact Resistance:	Pass
ASTM D-635 Flammibility:	Self-Extinguishing	ASTM D 4060 Abrasion Resistance (CS-17):	36mg
		ASTM Shore D, D-2240	80

### Description

CSI EpoxyAll 100 HV is a two-component high viscosity 100% solids epoxy resin. It is uniquely designed to be used as a base coat for broadcast floor coating systems. It is ideal for both flake / color quartz flooring. Its HV formulation allows the material to hang easily on vertical surfaces at 8-10 wfm. EpoxyAll 100 HV has been uniquely formulated with regular cure, fast cure and UV blocked versions. The easy-to-use pigment packs will allow for versatility in background colors for flake / color quartz flooring systems while reducing costly inventory. The one coat application will save both time and money on short turn around projects. Our pigment system eliminates the need for multiple pre-pigmented epoxies to be in inventory or on jobsites. One product to serve all your epoxy needs that will reduce inventory and material waste from job to job.

## 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.

Determine the substrate Moisture Vapor Emission Rate (MVER) per ASTM F1869 prior to placing EpoxyAll 100. 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% RH. For readings in excess of 3lbs and greater than 70% RH refer to CSI MVT Tech Data sheet. For readings in excess of 15lbs MVER and 95% RH contact CSI technical support technician for recommendations.

CSI utilizes the International Concrete Repair Institute's (ICRI) Concrete Surface Profile (CSP) standards for specifying finished surface roughness prior to applying EpoxyAll 100. It is highly recommended to mechanically profile the surface to achieve ICRI Concrete Surface Profile (CSP) 2-4. Upon completion of mechanical preparation, remove all shot, dust, dirt and debris. 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.

## Mixing

Organize work area so that all personnel and equipment are in place before mixing. The mix ratio is 2 parts A :1 part B by volume. For full kits-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 30 minutes at 75 degrees. Pot life with Fast Cure additive is 15 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

CSI EpoxyAll 100 HV may be applied by roller, trowel or squeegee. 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 EpoxyAll 100 HV 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 EpoxyAll 100 HV 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.