



## Technical Data Sheet

### Product description

: Flexstone Standard Binder is a solvent-free, moisture-curing, one-component polyurethane binder that is designed to produce durable and elastic surfaces. Due to its higher viscosity and moderate cure schedule, this binder is suited for most typical working conditions i.e. 60 – 95 °F and 40 – 70% relative humidity. Usage under other conditions is possible, but the cure will be prolonged at lower temperatures and humidities while the working time will be reduced at higher temperatures and humidities.

### Advantages

: Skid Resistant  
Low Maintenance  
Easy to Clean  
Endless Design Options  
Proven Safety and Comfort

### Uses

: Decks  
Pool Surrounds  
Patios  
Walkways  
Sunrooms  
Offices  
Home Gyms  
Locker Rooms  
Play Areas  
Fitness Tracks  
Porches  
Lobbies  
Golf Cart Paths  
Day Care Center

### Technical Properties

Specific Gravity	ASTM D891	1.09
Density	ASTM D891	9.10 lb/gal
Viscosity	ASTM D4889	6,900 cP
Tensile Strength	ASTM D412	6,000-7,000 psi
Elongation	ASTM D412	400-500%
Cure to Touch	ASTM D5895	4.5 hours

### Application Data

Type	Aromatic Polyurethane Binder
Color	Amber
Cure Type	Single-component Moisture
Rubber Granules	Top Layer 100 parts by weight Bottom Layer 100 parts by weight
Flexstone Binder	Top Layer 18-22 parts by weight Bottom Layer 15-18 parts by weight
Packaging	5 gallon/50 gallon
Coverage (one mixture)	25-30 sq ft @ 3/8"

**Surface Preparation:** Diamond grind or power washing is recommended to remove existing coating and/or to remove dirt and debris from substrate. If you are power washing for prep, E4E Extreme clean is recommended as a safe etch and cleaner.

**Application:** Once substrate is clean and dry, apply primer with brush or roller. Install at approximately 300 sq ft per gallon depending on surface texture and porosity. Do not apply more than what can be coated within a 90 minute window. Add 1.25 gallons of binder to one 55lb bag of Flexstone Rubber in appropriate mixer and mix for at least 2 minutes or until all the granules are coated with binder. Each mixture will yield approximately 35-40 sq ft.

**Clean-up/Storage:** Binder must be protected against humidity and stored above 50°F. The ideal storage temperature is in the range of 59 – 77°F. Higher storage temperatures over a longer period can shorten the shelf life. The material should be stored in climate-controlled areas when possible.

**Storage Life** At ideal conditions, the material can be stored for up to six months in the original, unopened packaging. Partially used material should be used quickly or purged thoroughly with nitrogen prior to resealing. When in use, air will be pulled in as material is withdrawn. Moisture from humid air will react with the unused material and lead to thickening or skin formation. The use of a desiccant cartridge on the air inlet will remove the moisture and increase the shelf life of partial containers

**Limitations** As with any urethane based on aromatic isocyanates, this product is not UV-stable and may show discoloration after exposure to direct sunlight. This effect is magnified when using EPDM granules or urethanes of vibrant color. Mechanical properties are not impacted.

**Precautionary Statement** Please read the SDS carefully before use. Prior to application, the user must read and become familiar with the risks and hazards associated with the use of this product. Adherence to the proper safety techniques cannot be overemphasized, including the proper use of Personal Protective Equipment (PPE).

#### **Important Notice**

DO NOT let this product get below 32° F. Product will freeze.  
DO NOT THIN

