



Technical Data Sheet

Product description

: Flexstone UV is solvent-free, moisture-curing, one-component polyurethane binder that is designed to produce durable and elastic surfaces. This product is aliphatic, provides enhanced light fastness, hydrolytic stability and contains materials that offer increased chemical resistance. When used according to recommendation, bound surfaces offer a combination of high strength and flexibility.

Advantages

: As with any urethane based on aliphatic isocyanates, this product is UV-stable and will not show discoloration after exposure to direct sunlight.

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	1.05
Density	ASTM D891	8.8 LB/gal
VOC		1.1 g/L
Viscosity	ASTM D4889	6,500 cP
Tensile Strength	ASTM D412	4,000-5,000 psi
Elongation	ASTM D412	400-600%

Application Data	
Type	Aliphatic Polyurethane Binder
Color	Clear to Light Yellow
Cure Type	Single-Component Moisture
Rubber Granules	Top Layer 100 parts by weight Bottom Layer 100 parts by weight
UV Binder	Top Layer 18-22 parts by weight Bottom Layer 15-18 parts by weight
Packaging	5 gallon/50 gallon
Cure to Touch	8 hours

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 shaded 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 into the product and 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

Full Cure Curing takes place at ambient temperature by reaction with atmospheric moisture. A relative humidity of 40 – 80% is recommended for appropriate cure. Dry conditions (relative humidity less than 30%) can make the addition of water or catalyst necessary. Higher temperature, higher relative humidity and the addition of catalyst will shorten the cure time while lower temperatures and relative humidity will prolong curing. The air, rubber, binder and subsurface temperature should not fall below 50°F during application or curing as cool temperatures can delay the cure and negatively impact the quality of the completed surface.

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**

