CLARUS™ PU PAVEMENT MARKING SYSTEM

Description

CLARUS™ PU is a Poly Urea based 100% solids, two component, thermosetting system designed to anchor to substrates such as asphalt and conctete as well as adhere to reflective media such as glass beads, elements and other optical media for durability and fast track free time. Low profile of system limits damage due to plows.

Use

May be used for reflectorized pavement markings on asphalt, concrete and other surfaces along with reflective media. Can be used for new construction and maintenance with adequate surface preparation and as per specifications.

Advantages

Solvent free, 100 % solids
Resistant to chemicals
Excellent adhesion to concrete and asphalt
Excellent wetting and bonding capability to substrate and reflective media
Suitable for manual applications of symbols and where continuous run is impractical

Technical Data*

Property	Value	Test Method
Gel Time	< 45 Seconds	ASTM C 881
Track Free	~ 3 Minutes	ASTM D 711
Bond Strength	> 250 psi	ACI 503R
Tensile Strength	> 2,500 psi	ASTM D 638
Wear resistance	< 70	ASTM C 501
Hardness Shore D	> 70	ASTM D 2240
Compressive Strength	> 9,000 psi	ASTM D 695

** Samples cured at 77 °F. Results can vary and depend on mixing method, equipment, curing conditions, test equipment, sample handling, sample conditioning, consitency and technicians.*

Packaging

Mix Ratio by volume: 2 Volume Part A: 1 Volume Part B
15 Gallons (10 Part A and 5 Part B) Pails
150 Gallons (100 Part A and 50 Part B) Drums
IBC also available

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671 McCauley Rd.
Stow, OHIO 44224

Surface Clean to remove contaminants such as water, loose residual from grinding etc. Remove lose debris by vacuum or blow with dry compressed air. For best results, old markings and contaminants should be removed using scarification or grinding.

Application Mechanical: Volumetric, positive displacement measuring, mixing and dispensing equipment must be used. Equipment shall be capable of conditioning components stored in independent tanks and consistently measured as per prescribed mix ratio, mix and dispense liquid to be sprayed on prepared surface mechanically. Equipment shall have capability to monitor proportions of two components as per manufacturer and will be capable of mechanincally distributing reflective media evenly across width of markings uniformly. Static mixing and impingement are acceptable methods of mixing. *Mil thickness and bead application rate shall be accoding to applicable specification and type of substrate.*

Temperature Liquid Components: 140°F Maximum

Caution Part A: Contains components that are skin and eye irritant. Can cause burns when in contact with skin and eyes. Use proper clothing and respirators. Consult Safety Data Sheet for details.

Part B: Contains Isocynate based materials which can cause skin and bronchial irritation if exposed to mist or vapors, beyond allowable exposure limits. Consult Safety Data Sheet for details.

First Aid Remove contaminated clothing. Wash thoroughly with water and soap. If contact with eyes, irrigate with water for 15 minutes and consult physician. Remove to ventilated area. If ingested, do not induce vomit, seek medical attention immediately. Consult Safety Data Sheet for details.

Limitations Do not dilute with any solvent or thinner
Apply when surface and ambient conditions are 32 °F and rising for proper cure
Storage: 50°F Minimum (For ease of transfer)

Keep out of reach of children. Not for internal consumption. For industrial use only. Keep containers properly closed.

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