

# Technical Data



## TRU-MOTION™ S9006/H3020 STRUCTURAL SPRAY COATING SYSTEM

Tru-Motion™ S9006/H3020 is a two component, 100% solids, mercury and TDI free structural spray system for top coating running tracks, athletic, and safety surfaces. In order to simplify the inventory requirements of installers, Tru-Motion™ S9006 uses Tru-Motion™ H3020 moisture cure binder as the reactive isocyanate component of the coating system.

Tru-Motion™ S9006/H3020 is >99% solids and contains essentially no VOCs (volatile organic compounds) It has a flash point greater than 350 ° F and is not classified as a flammable material for purposes of transportation or storage.

Tru-Motion™ S9006/H3020 contains no Mercury, Lead or other heavy metals to complicate waste disposal problems.

Tru-Motion™ S9006/H3020 is TDI (Toluene Diisocyanate) free, eliminating the regulatory and construction site safety hazards associated with TDI based structural spray systems.

Tru-motion™ S9006/H3020 incorporates the latest manufacturing and polymer technology to overcome the problems commonly associated with other currently available MDI (Diphenylmethane Diisocyanate) structural spray systems, such as:

- Short work life at elevated temperatures and humidity
- Cracking due to slow development of physical properties
- Rapid early discoloration when exposed to sunlight
- Poor cured film properties resulting in premature wear

### TYPICAL PHYSICAL CHARACTERISTICS OF TRU-MOTION™ S9006 BASES:

Colors: Red, Green, Blue\*, Black, Custom\*

\*S9006-40 Blue, and similar pastel colors may show objectionable early yellowing and discoloration unless overcoated with a suitable color stable aliphatic topcoat. Please consult us for specifics depending on color.

Density: (depending on color)	10.0-11.6 lbs./Gal.
Viscosity @78 °F.:	600-1,200 cps
%Solids by Wt.:	>99%
Flash Pt. T.C.C.:	>350 ° F.



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## PHYSICAL PROPERTIES OF CURED FILMS:

Tensile Strength (ASTM D 412):	2,000+/-200 psi
Elongation (ASTM D 412):	424+/-40%

## PROCESSING:

Tru-Motion™ H3738 cures by reaction with moisture. Keep all containers closed and sealed in storage. Avoid contact with water during handling and use.

Tru-Motion™ S9006/H3020 is best applied using specialized spray equipment developed for track installation. Other types of spray equipment used for stucco or insulation spraying may also be suitable. However, equipment manufacturers should be consulted for suitability and the equipment tested before installation is attempted. Consult SDS for safe handling.

Mix containers of Tru-Motion™ S9006 thoroughly before use, be sure to disperse any settling that might have occurred during storage.

Mix Ratio:	(by weight)
Tru-Motion™ S9006 Base	12
Tru-Motion™ H3020 Binder	48
0.5-1.5 mm EPDM Granule	40

NOTE: Tru-Motion™ S9006/H3020 is supplied ready for application using most spray equipment. However, some equipment or applications may require viscosity reduction of the final mixture. Suitable thinners such as XYLENE or Aromatic 100 may be used to adjust application viscosity in the field and for cleaning of equipment.

Charge components into mixing tank of spray unit or other mechanical mixer. Mix thoroughly for 5 minutes until EPDM particles are thoroughly coated.

Apply to surface with suitable spray equipment in two uniform coats at a typical application rate of 1.60 lb./yd<sup>2</sup> (0.87 kg/m<sup>2</sup>) per coat to achieve a final coating weight of 3.20 lbs./yd<sup>2</sup> (1.73 kg/m<sup>2</sup>).

Allow 12-24 hours cure time (depending on humidity and temperature) before applying lines and markings. Use only approved urethane line and marking paints.



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## **SAFETY AND HANDLING:**

Wear proper protective equipment at all times.

In the event of skin contact, wash exposed areas thoroughly with soap and water.

In the event of eye contact, flush eyes thoroughly with water and seek medical attention.

Consult SDS before handling and observe all recommended safety and handling practices.

Dispose of contaminated materials and empty containers in accordance with Federal, State, and Local regulations.

## **COLORS:**

Tru-Motion™ S9006 is available in four standard colors™, special color matches are also available upon request.

## **STANDARD COLORS:**

S9006-10	Brick Red
S9006-20	Chrome Green
S9006-40*	Blue
S9006-80	Black

\*S9006-40 Blue, other light shades of blue, and pastels in general should be coated with a pigmented aliphatic top coat to prevent discoloration of the track surface.

## **PACKAGING:**

Tru-Motion™ S9006 color base is available in 5 gallon pails and 55 gallon OH drums.

## **STORAGE:**

Tru-Motion™ S9006 should be stored in cool, dry surroundings. Avoid prolonged storage at temperatures over 90 ° F. or below 50 ° F. Under conditions of proper storage, storage life of the product in original, factory sealed containers is 12 months.



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