

THE PLAY SERIES

Technical Data



Tru-Motion™ H3219 S Aliphatic Moisture Cure Binder

Tru-Motion™ H3219 S is a slightly faster reacting version of Tru-Motion™ H3168 SS. It is designed for installation at moderate temperature and humidity.

Tru-Motion™ H3219 S is a 100% solids, aliphatic isocyanate based, moisture cure binder for use in construction of bonded rubber granule type running tracks, athletic, and safety surfaces. Tru-Motion™ H3219 S exhibits reactivity and cure rates similar to those of MDI based binders resulting in installation and handling characteristics typical of these systems.

Tru-Motion™ H3219 S exhibits excellent color fastness and exterior durability allowing use of light colored EPDM granules without the objectionable yellowing encountered when using MDI and TDI binders. In additions, Tru-Motion™ H3219 S exhibits improved resistance to deterioration by water and pool chemicals, making it the surfacing material of choice in areas subject to water and chemical immersion.

Tru-Motion™ H3219 S is a primary skin irritant and can cause sensitization dermatitis. Avoid skin contact and wear proper protective equipment at all times when handling Tru-Motion™ H3219 S. Consult SDS before use and observe all recommended safety and handling practices.

PHYSICAL CHARACTERISTICS:

Appearance:	Water clear viscous fluid
Density:	8.5-8.7 lbs./Gal.
Viscosity:	3,500-4,000 cps
% Free NCO:	6.8-7.2 %
% Solids by Wt.:	>99%

PHYSICAL PROPERTIES OF CURED FILMS:

Tensile Strength (ASTM D 412):	3,000+/-300 psi
Elongation (ASTM D 412):	500 +/-50 %
Die C Tear (ASTM D 624):	260+/-26 pli
Split Tear:	55+/-5 pli



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PROCESSING:

Under normal conditions of installation, Tru-Motion™ H3219 S binder for granular rubber athletic surface products provides excellent work life while achieving sufficient cure for secondary processing within normal construction cycles.

Tru-Motion™ H3219 S binder for granular rubber athletic surface products is designed to cure by reaction with atmospheric moisture. Cure rate is accelerated by high humidity and temperatures and retarded by low humidity and low temperatures.

Under conditions of high temperature and low humidity, water misting of the applied surfaces immediately after installation will prevent the Tru-Motion™ H3219 S from draining off the granular rubber components.

Tru-Motion™ H3219 S as supplied has a work life suitable for use in safety surfaces under average conditions of temperature and humidity.

CAUTION: Any colored EPDM granule mixture used with Tru-Motion™ H3219 S should be evaluated for color change and reactivity rate before installation.

SAFETY AND HANDLING:

Wear proper protective equipment at all times.

Avoid contact with skin and eyes.

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 procedures.

Pressure can build up in new and previously opened containers, open all containers carefully.

Protect open containers from moistures.

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



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PACKAGING:

Tru-Motion™ H3219 S is available in 55 gallon closed head drums with a net weight of 450 lbs. and 5 gallon pails with a net weight of 43 lbs. Returnable and one way 250 gallon mini bulk containers are available on a special order basis.

STORAGE:

Tru-Motion™ H3219 S 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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