

# Technical Data



## Tru-Motion™ H3005/P1114 Two Component MDI Track Binder

Tru-Motion™ H3020/P1114 is a 100% solids, TDI free, moisture cure polyurethane two component binder for use in the construction of bonded rubber granule running tracks and similar athletic surfaces at low temperatures. Tru-Motion™ H3020/P1114 is TDI free, eliminating the regulatory and construction site safety hazards associated with the use of TDI containing systems.

### PHYSICAL CHARACTERISTICS:

	H3005	P1114
Appearance:	Light yellow clear viscous fluid	Water clear fluid
Density:	9.0-9.2 lbs./Gal.	8.0-8.2 lbs./Gal.
Viscosity:	2,500-3,000 cps	80-100 cps
% Free NCO:	9.5-10.5 %	
% Solids by Wt.:	>99%	>99%

### PHYSICAL PROPERTIES OF CURED FILMS:

Tensile Strength (ASTM D 412):	3800+/-400 psi
Elongation (ASTM D 412):	450 +/-40 %
Die C Tear (ASTM D 624):	330+/-26 pli

### PROCESSING:

Mix ratio:	H3005	P1114
35°F	100	20
45°F	100	15
55°F	100	10

Tru-Motion™ H3020/P1114 MDI track binder is designed for low temperature application environment using conventional track installation equipment. The above mix ratio at various low temperatures can be served as general guideline. Users should test their desired mix ratio based on actual humidity and temperature. Tru-Motion™ H3020/P1114 MDI track binder cures by reaction with atmospheric moisture. Cure rate is accelerated by high humidity and temperatures and retarded by low humidity and low temperature. Consult us for specific recommendations.



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## **SAFETY AND HANDLING:**

Consult SDS before handling and observe all recommended safety, handling, and disposal recommendations.

## **PACKAGING AND STORAGE:**

Tru-Motion™ H3020/P1114 is available in 5 gallon pails, 55 gallon drums and 250 gallon IBCs. Avoid prolonged storage at temperatures over 90 ° F. or below 50 ° F. Protect from moisture. Under conditions of proper storage, storage life of factory sealed containers is 12 months.



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