

# Technical Data



## Tru-Motion™ H3591 MDI Type Moisture Cure Binder Faster Curing

Tru-Motion™ H3591 is a 100% solids, TDI free, moisture cure polyurethane binder for use in the construction of bonded rubber granule type athletic and safety surfaces.

Tru-Motion™ H3591 is TDI (Toluene Diisocyanate) free, eliminating the regulatory and construction site safety hazards associated with TDI containing systems.

### TYPICAL PHYSICAL PROPERTIES:

Appearance:	Light Amber
Density (lbs/gal)	9.07
Viscosity @ 78°F 20 rpm:	3510 cps
%NCO:	9.9%
Tensile (psi):	1621
Elongation (%):	200
Die C Tear (pli):	283

### PROCESSING:

Under normal conditions of installation Tru-Motion™ H3591 provides good working life while achieving sufficient cure for secondary processing within normal construction cycles.

Tru-Motion™ H3591 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 binder from draining off the granular rubber components.

### CAUTION:

Tru-Motion™ H3591 is a pure MDI binder and is subject to early yellowing when exposed to sunlight. Colored EPDM granule mixtures with Tru-Motion™ H3591 installation. Certain shades of blue, white, and gray may show objectionable color change immediately after installation. However, under normal conditions the surface will weather to an acceptable color after 30-60 days. Surfaces requiring minimum color change should be installed using Tru-Motion™ H3168 Aliphatic binder.

Tru-Motion™ H3591 contains Methylene Diphenyl Diisocyanate (MDI). Protect opened containers from moisture. Consult the SDS for proper handling precautions.



[www.accellapolyurethane.com](http://www.accellapolyurethane.com)  
2500 Adie Road, Maryland Heights, MO 63043  
Phone (314) 872-8700 | Fax (314) 872-8750