

Technical Data



Tru-Motion™ H3590 MDI Type Moisture Cure Binder Slower Curing

Tru-Motion™ H3590 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™ H3590 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)	9.19
Viscosity @ 78°F 20 rpm:	3600 cps
%NCO:	10.5%
Tensile (psi)	4049
Elongation (%)	350
Die C Tear (pli)	471

PROCESSING:

Under normal conditions of installation Tru-Motion™ H3590 provides excellent working life while achieving sufficient cure for secondary processing within normal construction cycles.

Tru-Motion™ H3590 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™ H3590 is a pure MDI binder and is subject to early yellowing when exposed to sunlight. Colored EPDM granule mixtures with Tru-Motion™ H3590 should be evaluated for color change before installation. Certain shades of blue, purple, 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™ H3590 contains Methylene Diphenyl Diisocyanate (MDI). Protect opened containers from moisture. Consult the SDS for proper handling precautions.



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