

Technical Data



Tru-Motion™ S9923/H7700

Thixotropic Polyurethane Adhesive

Tru-Motion™ S9923/H7700 is a thixotropic two component polyurethane adhesive. It is designed to bond rubber mats onto concrete surfaces. It is TDI, mercury, and heavy metal free, eliminating the regulatory problems and construction site hazards associated with products containing these materials.

Typical Component Properties	Tru-Motion™ S9923	Tru-Motion™ H7700
	Base	Isocyanate
2.5 rpm (cps)	420,000 ± 200,000	200 ± 50
20 rpm (cps)	83,600 ± 25,000	200 ± 50
Viscosity @78°F		
Wt/Gal (lbs)	13.0 ± 0.5	10.3 ± 0.5
Color	As Requested	Brown
Processing Data		
Mix Ratio (kit)	36 lbs.	7.2 lbs.
Mixed Viscosity @ 5 minutes		
2.5 rpm (cps)	136,000 ± 50,000	
20 rpm (cps)	29,000 ± 10,000	
Gel Time (Minutes)	45 ± 5	
Cured Properties		
Color	As Requested	
Durometer, Shore A	96 ± 5	
Tensile (psi)	1490 ± 300	
Elongation (%)	60 ± 10	
Die C Tear (pli)	197 ± 50	
Adhesion to Rubber Mat	Excellent	
Adhesion to concrete	Excellent	
Normal Coverage	343 sq. ft./kit (0.126 lbs./sq. ft.)	



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PROCESSING

Do not install floor system until concrete has been cured 60 days. Room shall be at least 60°F and ambient relative humidity shall be 75% or less. In slab humidity shall be 80% or less.

No curing agents or sealers are to be applied to the concrete slab. The concrete surfaces should be dry and free of any dirt, oil, other residue.

The two components should be thoroughly mixed using a mixer. Avoid excessive atmospheric moisture during mixing. Transfer mixed components to a second container and remix briefly. Spread to the desired thickness using an appropriate squeegee.

CAUTION

TRU-MOTION™ H7700 contains a polymeric isocyanate. Do not breathe vapors. Use with adequate ventilation. Do not get in eyes or on skin or clothing. In case of skin contact, wash immediately with soap and water. In case of eye contact, flush eyes with water for fifteen minutes and obtain prompt medical attention. Consult SDS for details.

STORAGE

TRU-MOTION™ S9923 base should be stored in cool, dry surroundings. Avoid prolonged storage at temperatures over 90°F or below 40°F. Under conditions of proper storage, storage life of TRU-MOTION™ S9923 base in original, factory sealed containers is 6 months.

TRU-MOTION™ H7700 isocyanate 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 TRU-MOTION™ H7700 isocyanate in original, factory sealed containers is 6 months.



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