

Technical Data



Tru-Motion™ F6031/P1007/ZA1187

SOLVENT-FREE WATER BASE URETHANE TOPCOAT SYSTEM FOR INTERIOR ATHLETIC SURFACES

Tru-Motion™ F6031/P1007/ZA1187 is a semi-gloss, three component aliphatic polyurethane topcoat for elastomeric polyurethane athletic flooring systems. It is designed to provide a long wearing surface with excellent resistance to marring, abrasion, and discoloration.

Tru-Motion™ F6031/P1007/ZA1187 system is a 100% water-based coating providing substantial improvements in application environment and safety during use. Tru-Motion™ F6031/P1007/ZA1187 can be applied using conventional airless spray or roller applicators.

TYPICAL COMPONENT PROPERTIES:

	F6031	P1007	ZA1187
	Base	Catalyst	Additive
Brookfield Viscosity @78°F, 2.5 rpm	1700 ± 300 cps	200 ± 50 cps	1200 ± 200cps
20 rpm	1300 ± 300 cps	200 ± 50cps	1200 ± 500cps
Wt/Gal (lbs)	9.6 ± 0.6	8.9 ± 0.5	7.2 ± 0.5
Color	As requested	Clear	Opaque

TYPICAL PROCESSING DATA:

Mix Ratio (% by wt.)	97.9	1.7	0.40
Mix Ratio (% by vol.)	100.0	2.0	0.59
Mixed Application Life		2 hrs	



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APPLICATION DATA:

Color	As requested
Application Rate, ft ² /gal (m ² /kg)	180-250 (4.1-5.7)
Tensile Strength (ASTM D412, psi)	4157 ± 300
Elongation (ASTM D412, %)	50 ± 20
Tear Strength (ASTM D624, pli)	386 ± 80
Gloss (85°)	5-15
VOC (g/l)	62
Kinetic Coefficient of Friction (ASTM D1894)	1.45 ± 0.2
Taber Abrasion H-18 Wheel (ASTM C-501)	
1000 cycles, wt loss (mg/cycle)	0.06 ± 0.01
2000 cycles, wt loss (mg/cycle)	0.06 ± 0.01

APPLICATION INSTRUCTIONS:

F6031/P1007/ZA1187 is designed for application over newly installed Tru-Motion™ S9801 polyurethane elastomer flooring system or over other approved Tru-Motion™ products. For best results F6031/P1007/ZA1187 should be applied to the newly installed Tru-Motion™ S9801 polyurethane elastomer flooring system within 24 hours after it has been poured.

- Step 1. Be sure all spray equipment is clean and solvent free.
- Step 2. Mix the P1007 and ZA1187 additives into the F6031 base using an electric mixer or an air mixer with a blade size suitable for the container being used. Mix only enough material for use within 2 hours.
- Step 3. Apply one uniform coat at a wet film thickness of 5.0-7.0 mils, or an application rate of 180-250 sq. ft./gal. (4.1-5.7 m²/kg)
- Step 4. After use, clean all equipment thoroughly with water. This material is extremely difficult to remove once thoroughly dried.
- Step 5. Allow coating to dry at a temperature greater than 65 °F with adequate ventilation for 16 hrs. or until dry enough for light traffic.
- Step 6. For best results, line with Tru-Motion™ water base urethane line paints within 24 hrs. after topcoat has dried.
- Step 7. Restrict traffic on floor for 7-10 days.



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HANDLING:

Tru-Motion™ F6031/P1007/ZA1187 may freeze at temperatures below 40° F. Protect contents from freezing. Ship and store at temperatures above 40° F. at all times. Consult Safety Data Sheets before handling or using these materials. Use only with adequate ventilation and with proper safety equipment.



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