



TECHNICAL DATA SHEET

RailGuard®

TOP OF RAIL FRICTION MODIFIER

Whitmore's RailGuard® is specifically designed for application to the top of the rail. It effectively brings the friction coefficient into the ideal range, reducing noise and wear.

No other product can match RailGuard® for all-round performance. The carry-down from the applicator is outstanding. Product has been detected as far as one mile (1.5 km) from the applicator.

A long-term study (17 months) in Europe demonstrated wear reduction of 75%. (The study was conducted on a curved section of track that had been experiencing rolling contact fatigue.)

Tests in both Europe and Asia have shown consistent reductions in noise of 3.7 to 4.0 dB. The tests compared dry rail to rail treated with RailGuard® Heavy. More importantly, the high pitched squeal was eliminated.

RailGuard® does not interfere with shunting, traction or braking.

RailGuard® Medium grade should be used where temperatures are expected to drop below about 32°F (0°C).

BENEFITS:

- REDUCES WEAR - Extends rail life and intervals between grinding.
- WATER RESISTANT – RailGuard® is not easily removed even by pounding rain.
- NOISE – Eliminates high-pitched squeal.
- LONG CARRY-DOWN - This reduces the number of applicators needed.

APPLICATION:

RailGuard® is suitable for use in trackside systems designed to deliver product to the top of the rail.

ASTM #		TYPICAL CHARACTERISTICS	
		Medium	Heavy
	Appearance	Tacky Black Semi-Fluid Gel	Tacky Black Gel
D-2983	Brookfield Viscometer Spindle 6 @ 10 rpm @ 77°F (25°C), cps Spindle 7 @ 5 rpm @ 77°F (25°C), cps	5,000 – 7,000 --	-- 265,000
D-92	Flash Point, °F (°C) Cleveland Open Cup	>400 (204)	>400 (204)
D-2596	Four Ball EP Weld Point, kg	800	800
	Usable Temperature, °F (°C)	0 (-18) to 55 (13)	Above 40 (5)

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

PACKAGING

Pails w/Liners

THE WHITMORE MANUFACTURING COMPANY

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