

RailArmor® SUPERIOR RAIL CURVE GREASE

RailArmor® is a new-generation rail curve lubricant resulting from a major R&D initiative by Whitmore. The main aim of this project was to greatly increase carry distance down the track or reduce consumption where additional carry has no benefit.

Extensive field service has shown that the goal has been achieved. One major railroad has reported that he now had grease on sections of track that had never seen grease before. Others reported that coverage could be maintained with grease volume reduced by 50% as compared to other premium rail lubricants.

RailArmor® raises the bar in all critical performance areas such as rail adhesion, rain resistance, wear protection and of course carry-down from the wiping bar. It doesn't spatter when hit by the wheel or form strings that contaminate the area around the wayside.

RailArmor® slumps evenly in the wayside reservoir and does not cause pump cavitation. In the wayside reservoir it moves cleanly down the walls with minimal vortex effect, despite its adhesiveness and robust consistency.

BENEFITS:

- **RESISTS WATER** - excellent rail adhesion and water resistance.
- **CARRY-DOWN** - carries farther than any Whitmore curve grease, or any competitive products that have come to our attention. In areas where additional carry has no benefit, consumption can be reduced by as much as 50%.
- **COMPATIBLE** - can be added to wayside tanks that currently contain either lithium or calcium-based greases.
- **WEAR PROTECTION** – high content of solid lubricants and oil-soluble anti-wear additives ensures low friction and wear.

APPLICATIONS:

RailArmor® is designed to lubricate rail curves, protecting rail and wheels from wear.

| ASTM # | | TYPICAL CHARACTERISTICS | | | |
|----------------|---|-------------------------|--------------------|--------------------|---------------------|
| | Grade | EP 0 | EP 1 | EP 1.5 | EP2 |
| D-217 | Cone Penetration (Worked) | 335-355 | 315-335 | 290-310 | 265-295 |
| D-445 | Kinematic Viscosity (Base Oil with Polymer) cSt @ 40°C cSt @ 100°C | 826 34.5 | 826 34.5 | 728 43 | 694 42 |
| Gardner Method | Density, lb/gal @ 60°F (15.5°C) Specific Gravity, g/cc @ 60°F (15.5°C) | 8.14 0.975 | 8.14 0.975 | 8.16 0.978 | 8.18 0.980 |
| D-2596 | Four Ball EP, Weld Point, kg | 400 | 500 | 620 | 620 |
| D-2266 | Four Ball Wear, Wear Scar, mm | 0.58 | 0.58 | 0.55 | 0.55 |
| | Usable Temperature Range, Wayside Applicator °F (°C) | 10 (-12) to 65 (18) | 20 (-7) to 80 (27) | 30 (-1) to 90 (32) | 50 (10) to 130 (54) |
| | Thickener Type | Lithium | Lithium | Lithium | Lithium |

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

PACKAGING

| | | | | |
|---------------|---------------------|-------|------|----------------|
| Shuttle Tanks | Nonreturnable Totes | Drums | Kegs | Pails w/Liners |
|---------------|---------------------|-------|------|----------------|

For warranty information, scan the QR code.
You can also email us at sales@whitmores.com
Or write to the Sales Department at the address below.

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