

## SL WR2 WIRETHERM

*India's First and Only Penetrative Synthetic Lubricant for Enhancing Wire Rope Life and Safety*

**Wire Rope Applications in Fabrication & Heavy Forging Plants**

Forge shops and heavy fabrication yards work wire rope hard — hot billets lifted off quench tanks, forgings moved between presses, heavy structurals into assembly fixtures. Ropes face hot metal spatter, scale, quench water spray, and flux fumes. Topical grease bakes onto the rope, attracts scale into an abrasive paste, and flings onto hot work. A dry-film penetrative synthetic is the only lubricant that survives this environment without contaminating the product.

### Part A — Annual Cost of Wire Rope Failures (Mid-Large Plant (₹500–3,000 cr revenue))

- **Rope life:** forge shop and press shop crane ropes typically reach 50–65% of design life with topical grease; bakes on fast.
- **Rope spares: ₹30–60 lakh/year.** Forge-shop ropes run smaller diameters (20–36 mm) but change-out frequency is high.
- **Rope change + cleaning labour: ₹12–25 lakh/year.** Includes scale-paste removal from sheaves and cleaning grease contamination off forgings before downstream inspection.
- **Press downtime + rework: ₹40 lakh–1.5 cr/year — the dominant cost.** A forge press rope failure halts the press line; grease contamination on forgings causes rework or scrap at MPI/UT inspection.
- **Total: ₹80 lakh–2.4 cr/year.** A penetrative synthetic extends rope life 2–3× and addresses ₹30 lakh–1 cr/year. Dry film eliminates forging contamination — a compliance win on inspected parts.

### Part B — Wire Rope Applications

- **Forge Shop** — press shop overhead crane ropes; billet handling tong crane ropes; hammer shop crane ropes.
- **Heat Treatment** — quench tank hoist ropes; furnace charging car ropes; tempering bay crane ropes.
- **Machining Shop** — heavy lathe loading crane ropes; CNC bed loading ropes.
- **Structural Fabrication** — plate handling crane ropes; assembly bay goliath crane ropes; welding positioner ropes.
- **Blast & Paint** — shot blast cabinet ropes; paint booth handling ropes.
- **Heavy Assembly** — pressure vessel roll-out ropes; turbine/compressor assembly crane ropes.
- **Despatch** — loading bay crane ropes; RCC plinth loading gantry ropes.
- **Testing & Inspection** — hydrotest bay ropes; stress-relieving furnace charging ropes.
- **Stockyard** — plate stack crane ropes; beam handling ropes.
- **Workshop & Maintenance** — shutdown rigging ropes; motor and gearbox lift ropes.

**Request a free 90-day plant trial — your reliability data will speak for itself.**

Contact: [technical@stanvac.com](mailto:technical@stanvac.com) · [www.stanvac.com](http://www.stanvac.com)