



## End Post Rehabilitator (EPR)

### Description

The End Post Rehabilitator (EPR) rebuilds and rejuvenates worn insulated joint end posts.

- » Extends service life of IJ's
- » Enables quick (approximately 20 minute) repair by a single employee - no need to remove IJ from track
- » Kit comes complete with enough material to repair 5 - 10 insulated joints

End Post Rehabilitator was developed by voestalpine RailPro BV and is offered exclusively in North America by voestalpine Railway Systems Nortrak.



# REPAIR PROCEDURE

1. Slot the joint by grinding approximately 3/4" into the old end post using a 1/8" (4mm) grinding disc. Make sure that the rail ends are ground clean to a bright metal finish and remove any remaining material. Avoid using a 1/4" (6mm) disc, which will produce a gap that is too wide.



2. After grinding the end post, liberally apply **Surface Cleaner** (aerosol can #1) to remove any remaining contamination. Allow the surface to dry\*. The Surface Cleaner cures within 5 minutes.

3. Spray the **Joint Primer** (aerosol can #2) into the cleaned joint and let this dry\*. The Joint Primer typically cures within 8 minutes. After touching the primer, look for sticky fine threads as you pull away. This is an indication that the primer has cured.

4. Fit the nozzle to the **Glued Rail Joints Repair** (cartridge #3), insert it completely into the gun and dispense a small amount into a waste container. The first 1-1/4" of material that emerges from the nozzle is incompletely mixed and should not be used in the repair.

5. Fill the end post gap in a consistent direction (eg. from gauge side towards field side) and do not remove the nozzle until the entire gap has been filled. To prevent air bubbles from forming, dispense an even flow of material.

5. (cont'd) Do not remove the nozzle from the cartridge; this prevents drying of the remaining repair material. Any remaining product in the cartridge will still be available for subsequent repairs. Proceed immediately to step 6.



6. Within 30 seconds of filling the joint, place the notch of the scraper in the center of the gap at the bottom of the rail head. Move the scraper over the head of the rail in one movement in the opposite direction as the repair material was applied (eg. from field side towards gauge side). This movement will seal the repair material and form a small bulge which protrudes just above the top of rail. The **Glued Rail Joints Repair** cures within 2 minutes\*.



7. Apply the **Antistatic Coating** (aerosol #4) around the exposed area of the end post.

For subsequent repairs, remove and discard the old nozzle and fit a new nozzle to the cartridge.

\*A heat gun may be used to assist drying in cold or moist conditions.

Thank you very much for your interest. Please visit our web site or contact a Nortrak sales professional if you have any questions or if you need assistance.

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