

CASE STUDY: Developing Products to Address Industry Challenges

Chem-Trend Product Increases Curing Envelope Life

Situation:

A tire retreading customer was experiencing difficulties in removing the envelopes from the outside of finished retreaded tires after removing them from the autoclave. The average life of their envelopes was 50-60 retreaded tires. The typical failure of the envelopes came from tearing at the thin edges of the envelope caused by forceful removal of the envelope from the finished tires due to sticking onto adhesive exuding under the pre-cured tread. They had to regularly apply a refreshment coat of an envelope coating purchased from an outside vendor.

Solution:

Chem-Trend created an advanced tire curing envelope treatment that can significantly increase curing envelope life, while providing easy release and removal from the finished retreaded tire. It is easily applied to the envelope by brush or sponge and cures at room temperature to a semi-permanent film that can last the life of the envelope. Envelope life can be doubled when used as recommended.

Benefits:

Chem-Trend's product almost doubled the envelope life and no other treatment was required after the original product application. The envelopes are easily removed from finished tires with no torn edges and the ease of application offers complete satisfaction.

