TECHNICAL BULLETIN - **Bead Sealer vs Repair Sealant**

Which one should I use—BEAD SEALER or REPAIR SEALANT?

While REMA TIP TOP Bead Sealer and Repair Sealant may appear similar in appearance and odor, they are chemically distinct formulations engineered for entirely different functions within the tire mounting and repair processes. Misapplication of these products may compromise the integrity of the tire repair or mounting procedure. To ensure optimal results and compliance with industry best practices, it is essential to use each product as intended.

REMA TIP TOP BEAD SEALER

Application: Designed to be applied to tire beads during the mounting process.

Bead Sealer is a natural rubber based compound, dissolved in solvent and is designed to facilitate the proper seating of tires onto rims, particularly in cases where the rim surface is compromised due to rust, pitting, or electrolysis—conditions commonly found in agricultural and off-road equipment. When applied to the rim, the solvent-based formula deposits a natural rubber layer that cures into a durable gasket-like seal. This layer fills microvoids and irregularities at the tire bead-rim interface, effectively preventing air leaks.

The adhesive and frictional properties of the cured compound inhibit tire slippage on the rim post-inflation, ensuring a secure and airtight fit. This seal remains in place until the tire is dismounted, at which point the procedure should be repeated during remounting or replacement.

REMA TIP TOP REPAIR SEALANT

Application: When properly applied, Repair Sealant creates an airtight seal around a finished repair, over buffed areas or porous tire innerliners.

Repair Sealant is formulated with a halogenated butyl rubber compound, similar to the material used in the construction of tire innerliners. The main difference between Repair Sealant and Bead Sealer is in Repair Sealant's superior air retention capabilities.

During the tire repair process, the innerliner is buffed to prepare the surface for adhesion of the repair unit. Any areas that are buffed beyond the repair unit footprint—referred to as overbuffed areas—require treatment with Repair Sealant to restore air retention integrity.

In the final stage of the repair procedure, Repair Sealant must be applied over the overbuffed area and along the leading edge of the repair unit. Repair Sealant will cure to the tire and repair unit over time, becoming a permanent part of the tire.

Note: Both Bead Sealer and Repair Sealant are critical to their respective applications and should never be used interchangeably. Proper usage ensures the highest quality standards in tire mounting and repair operations.

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