



# MP500-EXT™ Preservative Paste

## NEXT GENERATION PRESERVATIVE TECHNOLOGY FOR IN-SERVICE POLES

MP500-EXT delivers broad-spectrum control of wood-destroying decay fungi with an improved environmental profile when compared to other preservative pastes. This unique formulation provides robust preservative protection while utilizing technology that is responsive to today's regulatory, safety, and environmental concerns.

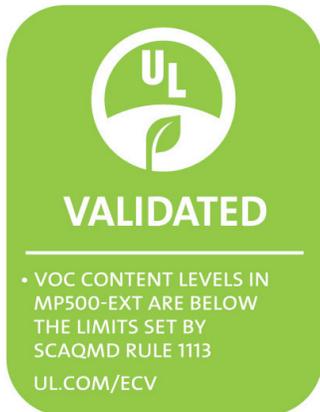
- ✓ **Enhanced Performance**  
MP500-EXT's active ingredients were selected and formulated based on Osmose's preservative development experience and expertise. The borax provides fast-acting penetration to control decay fungi internally while the micronized copper carbonate protects against soft rot fungi on the surface of the pole.
- ✓ **Lasting Protection - Controlled Release Copper**  
The improved leach resistance of the micronized copper carbonate creates a reservoir effect - the copper remains in reserve until it is needed to protect the pole, at which point it solubilizes and enters the biological breakdown cycle.
- ✓ **Optimized Mobility**  
Borax is widely-known as a mobile and effective fungicide at low concentrations. Osmose designed the unique MP500-EXT formulation to optimize the mobility characteristics of borax.
- ✓ **Improved Environmental Profile**  
MP500-EXT is designed to set a new standard for preservative pastes by combining effective decay control with reduced toxicity and environmental concerns. MP500-EXT has the lowest toxicity profile of all registered external remedial preservative coatings. It carries an Environmental Claim Validation from UL Environment and is the only 100% solvent-free remedial preservative paste on the market.



# MP500-EXT: THE ENVIRONMENTALLY PREFERABLE PRESERVATIVE PASTE

As a leading developer and applicator of wood preservatives designed for in-service poles, Osmose has established R&D priorities intended to maintain efficacy against decay and deterioration while optimizing the volume of active ingredients, lowering the risks to non-target organisms, and eliminating petroleum-based carriers from our product line.

Independent testing has shown MP500-EXT treated wood to exhibit exceptional biocidal properties against wood decay fungi and insects with efficient chemical design and loadings. MP500-EXT exhibits low toxicity characteristics favorable to the applicator and the environment and is classified as Toxicity Category III with the EPA signal word of "CAUTION" on the label. Furthermore, the micronized copper used in MP500-EXT is manufactured from recycled copper, alleviating pressures on copper ore and precious landfill space.



MP500-EXT also holds an Environmental Claim Validation from UL Environment. This distinguished validation confirms that MP500-EXT exhibits volatile organic compound (VOC) content below the limits defined by South Coast Air Quality Management District (SCAQMD) for the wood preservative category of SCAQMD Rule 1113. **MP500-EXT remedial preservative has non-detectable VOC levels - the lowest VOC levels of any available paste.**

The reduced toxicity of MP500-EXT represents modern wood preservative science at its best. It offers enhanced performance against decay-causing organisms while optimizing chemical ingredients and toxicity levels.

## ORDERING INFORMATION

**MP500-EXT preservative paste is available in:**

- 4-gallon box (2 2-gallon pouches)
- 5-gallon pail

**OsmoShield™ is available in:**

- 22" X 100' roll (6 rolls per box)
- 24" X 100' roll (6 rolls per box)



**For more information on MP500-EXT or to place an order:**

**CALL** 770.632.6700 Opt. 3 | **EMAIL** [products@osmose.com](mailto:products@osmose.com)