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As MacLean Power Systems (MPS) progresses to completion in early 2022 on our foundry expansion at the Alabaster, Alabama facility, it has become necessary to evaluate all current processes and how they will integrate with our new Foundry of the Future. The expansion will centrally locate all Alabama operations under one roof as well as add additional operational, quality, safety, and environmental system improvements to our production processes. As part of this commitment for continuous improvement MPS has a goal to remove all hazardous processes and substances for health, safety, and environmental requirements.



Figure 1 – MacLean Power Systems 168,000 sq. ft. Foundry of the Future Expansion at Alabaster, Alabama

Due to this MPS will suspended in-house painting operations effective December 2021. This change will remove several hazardous materials in the paint system, which is applied to many fiberglass bracket products as a UV protection system.

Phase one of this change has already been implemented in October 2021 for all 2.5” and 3” diameter fiberglass rod products produced at the Alabama facility. This included select Fiberglass Brackets (G1X series) and round Deadend Crossarm Assemblies for distribution (GDA series) and transmission (GTA series) applications. In lieu of paint for these products, silicone coating will become the standard UV protection system applied.

Phase two consists of all remaining Fiberglass Brackets and painted fiberglass rod components produced at the Alabama facility. Products included in this phase are 1.5” and 2.0” diameter Fiberglass Brackets. In lieu of paint for these products, an integrated veil coating with UV inhibitors will become the standard UV protection system applied. This is the same method that is used for UV protection of MPS Guy Strain Insulators and UVMAXX™ Fiberglass Crossarms.



Figure 2 – Painted vs. Veiled Fiberglass Rod

Along with the UVMAXX™ UV protection system Fiberglass Brackets will gain additional improvements over the previous painted coating.

- UV system with 80+ year performance
- UV Protective top layer integrated into structure of composite eliminating concerns of protective layer chipping or scratching off
- Doubles thickness of top layer for improved durability
- Denser fabric for reduced light transference and longevity
- 10,000 hours of UV exposure testing per ASTM G154
- Improved tracking and erosion performance tested per ASTM D2303
- Improved resiliency to fire tested per UL94 and ASTM D635

For copies of test reports and performance information please contact your MPS representative.

Existing orders as of this notice are planned to be produced using the painted coating and will phase out to the veil coating with expected implementation by the end of December 2021. During this implementation period there may be an overlap of both painted and veil coated products before the painted products are completely phased out. There are no changes to the existing catalog numbering system and all active catalog numbers will remain the same. However, please take note of the coating change as described in this notice and update any standards accordingly.

Please contact your MPS representative for assistance with specification or to obtain additional help as needed.

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