

UVMAXXTM

FIBERGLASS CROSSARMS FEATURING UL94 V-0 RATING FIRE RESILIENCY

MacLean's UVM maxx crossarm line is already the industry standard for strength and durability, delivering the longest life product in the industry.

Our UVM maxx line is proud to announce we also hold a UL94 V-0 fire rating, the highest standard in the industry for fire resiliency.



Made in the USA



FIRE RESILIENCY

Our DURASHEILD cross arms have the highest possible fire protection rating of UL94 V-0, ensuring our arms will self-extinguish in the event a flame reaches them and will not contribute flammable material to the blaze.

To achieve this, our cross arms underwent both ASTM D635 (horizontal burning) and ASTMD3801/UL94 (vertical burning) testing. These industry requirements combined, create the most comprehensive ratings for Fire Resiliency. UL94 offers ratings from V2-V0, with V0 being the most fire resistant.

Historically, few utilities have required these ratings, but we are seeing that change as fires become a regular yearly occurrence.



UV PROTECTION

The Duracore beam bonds the UV protective layer directly to the core structure, eliminating the need for painting while ensuring that there are no entry points for corrosion. Painted systems allow degradation to occur once the surface is nicked or scratched.

The UL94/ASTM D3801 testing procedure includes 10 samples conditioned at specified temperatures for a set number of days, then mounted 10mm above a Bunsen burner tube. A 20mm blue flame is applied and reapplied to the samples at timed intervals.

The result of these tests: A V-0 rated UVMaxx Duraproof crossarm you can trust will self-extinguish when in contact with a flame, thus ensuring it will not contribute flammable material to a fire. MPS average burn time before self-extinguishing was 1-2 seconds per burn cycle.

Criteria Conditions	94 V-0	94 V-1
Afterflame time for each specimen t1 or t2	<10s	<30s
Total afterflame time for any condition set (t1 + t2 for the 5 specimens)	<50s	<250s
Afterflame plus afterglow time for each individual specimen after the second flame application (t2 + t3)	<30s	<60s
Afterflame plus afterglow of any specimen up to the holding clamp	No	No
Cotton Indicator ignited by flame particles or drops	No	No

**V-2 rating does not apply to pultruded products



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