September 28,2018

Re: Unirac Rail Finish in Marine Environments and Watt

To Whom It May Concern,

Unirac's Solarmount rail products are comprised of 6000 series aluminum and will survive for a planned service life of 10 years in an, ISO standard 12944-2 defined, C4 marine environment with moderate salinity. Unirac's data is based on modes of corrosion including atmospheric corrosion, galvanic corrosion and crevice corrosion.

Mill finish aluminum will develop a thin layer of corrosion (known as white rust), which is a natural anodization that offers some protection in normal environments. In a marine environment (ISO 12944-2, C4 environment), some localized galvanic corrosion at connection points can form.

Unirac's anodized rails are anodized per AAMA 611-12 and have excellent finish and corrosion protection in most environmental conditions including C3 & C4 marine environments. Undamaged areas of the rail finish are protected for ten years given that the installer is responsible for not damaging the rail finish during installation. In addition, Unirac warrants that any of the SOLARMOUNT components designed and manufactured by Unirac shall be free from defects in material and workmanship which substantially impair their ability to perform their intended function for a period of 25 years.

Unirac also warrants that its Solarmount system shall be free from defects in the material and in workmanship which substantially impair their ability to perform their intended function as referenced in the Unirac product information for a period of 25 years as detailed in the Solarmount Manufacturer's Limited Product Warranty document located online. This is warranted to the buyer at the original installation site assuming the system is installed according to the design rules and guidelines detailed in Ubuilder or the Solarmount Design and Engineering guide. These rules assert that the system has been tested and certified to withstand wind speeds exceeding those of a category 5 hurricane (156mph) when designed and installed according to the Unirac Installation Guide and Design and Engineering guide. The maximum wind speeds that the Solarmount system is tested to are as follows:

- Basic Wind Speed of 110-170mph (Using Ubuilder and ASCE 7-10)
- Basic Wind Speed of 110-190mph (Using Prescriptive Design Method and ASCE 7-10)

If correctly installed structural components on a correctly designed array suffer damage resulting from defects in the material and in workmanship which substantially impair their ability to perform their intended function in the stated wind conditions, Unirac will replace the damaged parts within the period of the 25-year warranty.

Please contact Unirac with any questions.

Regards,

Connor Morrison

Connor Morrison
Residential Product Manager

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