

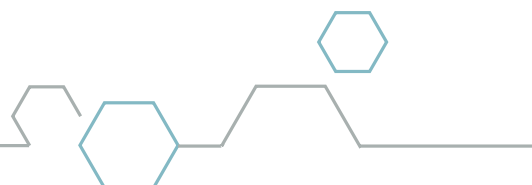
The solution for the damaging effects caused by the high intensity of solar UV radiation to the color of aluminum architectural systems

## Super Durable powder coatings



- Long term color retention & aesthetic value
- Reducing maintenance cost
- Adding value to the architectural construction

Since 1972

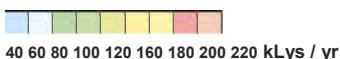
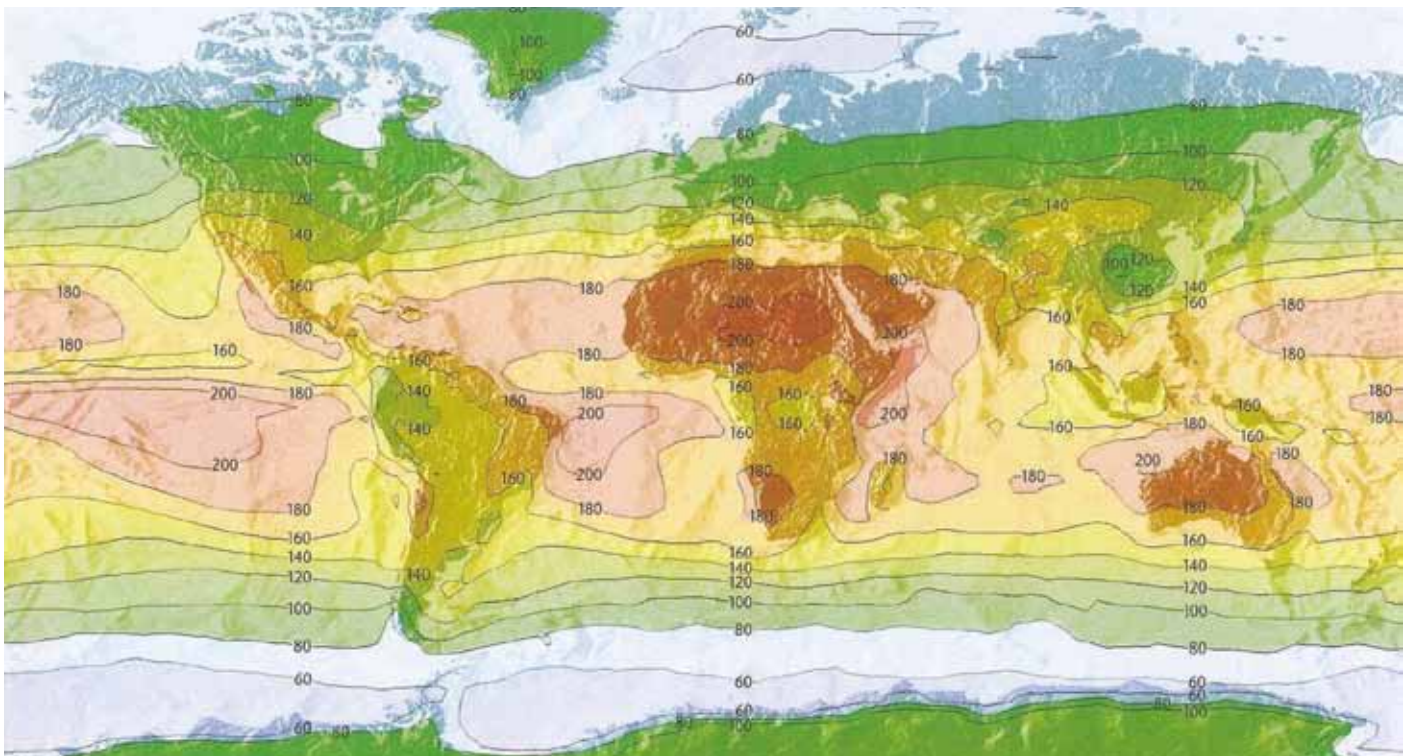


# Excellent protection from the high intensity of solar UV radiation with the **Super Durable** powder coatings **Sahara, Mesogeios & Ammos**

The excessive and consistent exposure of the Powder Coatings to UV radiation can cause various signs of damages such as discoloration, fading, poor color retention and chalking. Unfortunately, these damages once they begin to occur, are irreparable. Whenever the environmental conditions are harsh, (e.g. high levels of sunlight, harmful UV radiation) we can avoid or minimize premature fading and loss of gloss by specifying and using weatherable **Super Durable Powder Coatings**.

## Solar Radiation Map

that indicates the intensity of solar UV radiation ranging from 60 to 200 kLys/yr



1kLangley / year = 1.33 W / m<sup>2</sup>

Data provided by the Surface Radiation Budget Project at NASA Langley Research Center.

## Qualicoat Florida Test Natural Weathering Test



In the official Natural Weathering Test that takes place in Florida in the United States, the powder coatings' samples are tested for color and gloss retention. They are exposed for **12 months** for **Class 1** certification and **36 months** for **Class 2** certification.

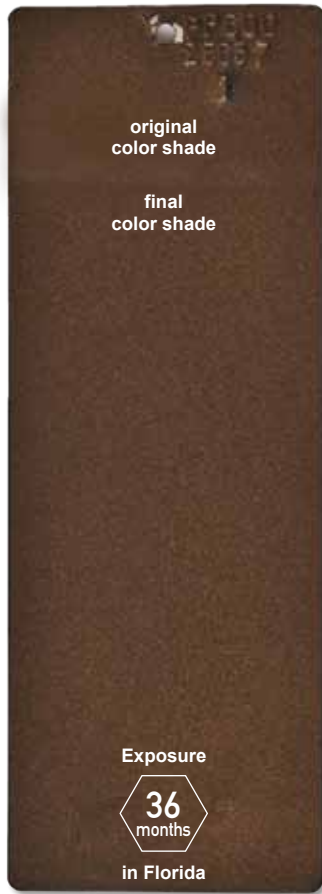
# Natural Weathering Test Comparison between standard and **Super Durable** powder coatings

Standard Powder Coatings

Super Durable Coatings

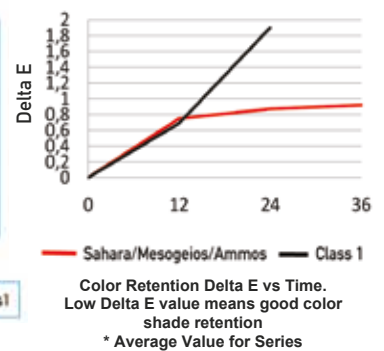
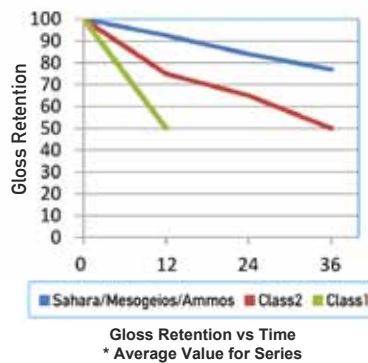
Standard Powder Coatings

Super Durable Coatings



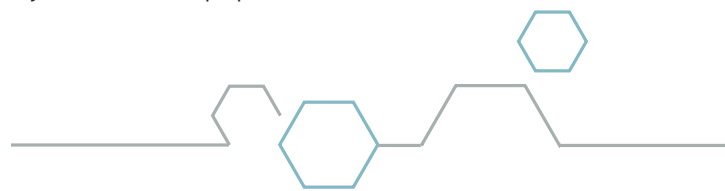
## Florida Test Results

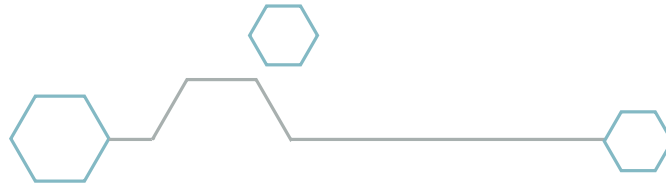
Super durable powder coatings are at least **3 times** more resistant than standard powder coatings.



## Main Benefits of **Super Durable** powder coatings with fine textured finish

- Excellent durability in outdoor conditions
- High resistance to scratches and abrasion
- Outstanding appearance
- Low dirt pick – up due to the especially designed surface
- Wide range of contemporary, classic and popular color shades
- Environmentally friendly





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