

Excellent Test Results

Fibox Creates an Enclosure that Becomes Stronger Over Time.

Fibox is specialized in enclosures which protects components even in very harsh and demanding environments. The enclosures are made of a special Polycarbonate material which has proven excellent performance:

- 100% corrosion-free
- Watertight: High IP rating: IP66
- Very high impact resistance: IK10
- Excellent Insulating properties: 1500VDC
- Good UV resistance: UV stabilized raw material – UL 508 (UL 746C)
- Flammability rating according to UL 94-5VA
- Good resistance to chemical attack
- Easy to customize with normal tools
- Low maintenance
- Light weight



25 years in direct sun without getting “wrinkles”

Fibox polycarbonate enclosures recently took part in an independent ISO 4892-2 (accelerated weathering test) study alongside other polycarbonate and fiberglass enclosure materials. The test objective was to determine UV performance and material behavior under hard harsh outdoor UV conditions in accelerated aging test.

Utilizing a xenon arc lamp Fibox’s enclosure materials were bombarded with high intensity UV light for over 5,000 hours simulating 25 years’ worth of direct sunlight exposure. The results demonstrated that the Fibox polycarbonate outperformed both the fiberglass and other polycarbonat materials in the test.

The Fibox polycarbonate did not delaminate, as Fiberglass did after a few simulated years. In fact the Fibox polycarbonate not only maintained its durability but became even stronger as the UV exposure increased. This increased strength coupled with a low colour change as the UV exposure progressed only confirmed what many of our clients have related to us, that the enclosure is outliving the internal components.

Clients reuse Fibox enclosures and save money

One telco client recently completed swapping out the Generation 1 electronics for their next generation design while maintaining the existing enclosures in the field. This reuse policy saved the client the cost not only on the enclosure and pole mounting accessories, but also saved them the shipping costs of enclosures.

Using an enclosure from Fibox you can have confidence that your products will be housed in the most resilient enclosure on the market. Easily allowing updates as you upgrade components throughout the years as your technology advances.

Fibox manufactures and distribute a wide range of UL listed, NEMA 4X polycarbonate enclosures designed for harsh and hostile environments, including the new popular ARCA serie.

Fibox is ready to help you, where ever you are and what ever challenge.

Fibox have sales offices in 16 countries.

[Find your local Fibox representative here.](#)
[ARCA presentation video](#)

Fibox finds a solution to your challenges

A "powder fertiliser" plant in charters towers, Queensland in the middle of nowhere, process a very fine diatomaceous earth product and make fertiliser for Indonesia.

The fine powder causes issues with normal enclosure seals with the Stainless and Mild Steel enclosure not closing tight enough. They are currently replacing all their LCS units with ARCA enclosure from Fibox.

