Quality Fence Post Products

Fiberglass fence posts are stronger, have a longer service life, and require less maintenance than traditional wood post materials. The preferred fiberglass material can be susceptible to degradation from sunlight if posts are not coated with proper UV protection. Sunlight can degrade the resin that holds glass fibers together. An uncoated post will degrade exposing glass slivers on the surface – causing safety and handling concerns.

GEOTEK's SunGUARD® II coated fence posts have been tested alongside uncoated fiberglass posts to understand the impacts of sunlight. Both versions were subjected to a standard accelerated UV test (ASTM G154 Cycle 1*). GEOTEK SunGUARD® II coated posts showed no UV degradation and are still smooth. The uncoated posts showed heavy degradation including discoloration and glass fiber slivers on the surface of the sample.

SunGUARD II Coated Posts vs. Uncoated Fiberglass Posts

7,700 hours:

After 2-3 years of equivalent UV exposure, GEOTEK posts show NO UV degradation and a surface that is still smooth – no fiber slivers!

.vs

7,700 hours:

Uncoated posts turned yellow and showed fully exposed fiber slivers.

Plastic step-in post clips were also tested after exposure to accelerated UV testing. Competitive clips saw a 20% decrease in strength, indicating UV degradation that could lead to premature clip failure, while the **GEOTEK's SunGUARD II step-in posts with polycarbonate clips** retained their strength.

*ASTM G154 Cycle 1 testing subjected samples to UV energy for 7,700 hours, which is roughly equivalent to 2.8 sun years in Arizona or 3.3 sun years in Florida.

Please call with any questions on our testing or for a detailed technical review with our engineering team.

800-533-1680 | 507-533-6076

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SunGUARD II Coated Posts vs. Uncoated Fiberglass Posts

After 3-4 years of equivalent UV exposure, GEOTEK shows NO UV degradation and a surface that is still smooth – no fiber slivers!

.VS

After 3-4 years of equivalent UV exposure, uncoated rods showed fully exposed fibers.

Plastic step-in post clips were also tested after exposure to accelerated UV testing. Competitive clips saw a 20% decrease in strength, indicating UV degradation that could lead to premature clip failure, while the **GEOTEK's SunGUARD II step-in posts with polycarbonate clips** retained their strength.

*ASTM G155 Cycle 1 testing subjected samples to UV energy for 8,200 hours, which is roughly equivalent to 3.4 sun years in Arizona or 4.1 sun years in Florida.

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