

NVP FENCE PROFILES

Product Weather Testing



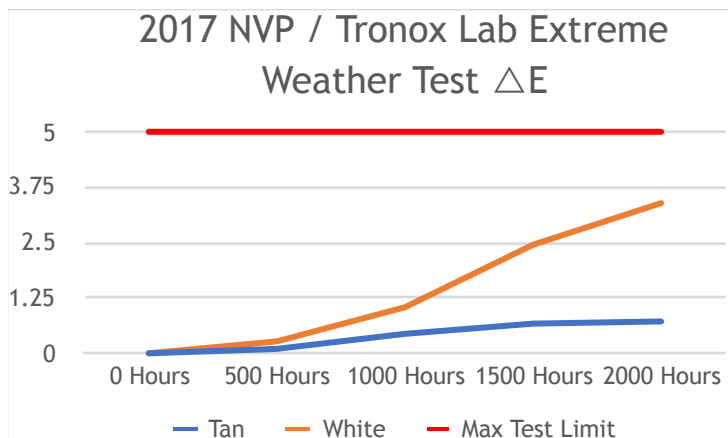
Background

NVP extruded Vinyl Fence Profiles conform to ASTM standards for durability, impact resistance and colour consistency. Products undergo significant in-house and third-party testing to exceed ASTM F964, 2016.

NVP weather-tests samples of our materials each month. Additionally, third-part Extreme weather testing is performed annually to ensure NVP's proprietary blended PVC compound, that has 10 PPH of high grade TI02, performs well under UV light.

Color Fade / Change

ASTM D2565 provides standards for weather related colour changes. Consistent fading across all fence parts ensures a uniform appearance throughout the life of the fence. In-house colour measurements are taken every two months to ensure no significant degradation. Samples are measured on a three-point colour scale (L, A, B). Industry standards maintain that a ΔE (amount of change across all three measurements) not exceed 5 points.



2017 extreme weather results show similar high-standard of performance as 2015 and 2016. The above graph shows results following 0 to 2000 hours of QUV exposure at Tronox laboratory.

Conclusions

Based on reading and visual observations all samples weathered even with the delta E not exceeding 5 points of change, which exceeds industry standard for colour change.