Mini Technical Report

Actflex Ultra Shield QUV Accelerated Weather Testing

Mini Technical Report | QUV Accelerated Weathering	**Date:** 21 December 2023
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introduction

This technical report assesses the colour change, gloss change, and DFT loss after 1000 hours of accelerated weathering to ASTM D154 Cycle 1. The QUV testing assesses Actflex Ultra Shield.

Results

Tabulated data for the series

System	QUV Hours	dL*(D65)	da*(D65)	db*(D65)	dE*ab(D65)	Visual Comment
Actflex Ultra Shield	500 Hrs	-0.55	-0.07	-0.03	0.55	No colour change Visually
	1000 Hrs	-0.83	0.00	-0.06	0.83	

Actflex Ultra Shield does not visually change colour or gloss. Using a spectrophotometer (Konica Minolta—CM-36dG), the colour changes detected are low after 1000 hours of QUV-accelerated weathering (ASTM D154 Cycle 1).



Actflex Ultra Shield

Conclusion

The following conclusions are drawn from the above results.

- Actflex Ultra Shield Mid Grey Polyaspartic topcoat has had no visual change in colour or gloss
- None of the samples experienced high levels of DFT loss.

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