ORYX
DOORS & WINDOWS

Frame Colour Changes in Extreme Weather

Ral colour tolerances - this refers to the permissible frame colour deviation that the door/window can have after extended exposure to the sun compared to the colour at the time of installation.
The pictures below show examples of the colour degradation/fading when standard powder coating is used. Unless otherwise stated,

Black frames fading after years of direct sunlight exposure

Brown frames fading after years of direct sunlight exposure

The table below shows the extent to which each RAL colour can be expected to change when exposed to extreme weather.

RAL colour tolerances after the weathering test for Class 1 & 1.5 organic coatings																	
RAL	ΔE	RAL	ΔE	RAL	ΔE	RAL	ΔE	RAL	ΔE	RAL	ΔE	RAL	ΔE	RAL	ΔE	RAL	ΔE
1000	3.0	2000	4.0	3000	5.0	4001	4.0	5000	4.0	6000	4.0	7000	3.0	8000	3.0	9001	2.0
1001	3.0	2001	5.0	3001	5.0	4002	5.0	5001	4.0	6001	4.0	7001	3.0	8001	3.0	9002	2.0
1002	3.0	2002	6.0	3002	5.0	4003	4.0	5002	4.0	6002	4.0	7002	3.0	8003	3.0	9003	2.0
1003	3.0	2003	6.0	3003	4.0	4004	4.0	5003	4.0	6003	4.0	7003	3.0	8004	3.0	9004	4.0
1004	4.0	2004	4.0	3004	4.0	4005	4.0	5004	4.0	6004	4.0	7004	3.0	8007	3.0	9005	4.0
1005	5.0	2008	6.0	3005	4.0	4006	4.0	5005	4.0	6005	3.0	7005	3.0	8008	3.0	9006	2.0
1006	5.0	2009	4.0	3007	4.0	4007	4.0	5007	3.0	6006	4.0	7006	3.0	8011	3.0	9007	2.0
1007	5.0	2010	6.0	3009	4.0	4008	4.0	5008	4.0	6007	3.0	7008	3.0	8012	3.0	9010	2.0
1011	3.0	2011	6.0	3011	4.0	4009	4.0	5009	4.0	6008	3.0	7009	3.0	8014	3.0	9011	4.0
1012	3.0	2012	4.0	3012	2.0	4010	4.0	5010	4.0	6009	4.0	7010	3.0	8015	3.0	9012	2.0
1013	2.0			3013	5.0			5011	4.0	6010	4.0	7011	3.0	8016	3.0	9016	2.0
1014	3.0			3014	4.0			5012	4.0	6011	4.0	7012	3.0	8017	3.0	9018	2.0
1015	2.0			3015	4.0			5013	4.0	6012	3.0	7013	3.0	8019	3.0	9022	2.0
1016	6.0			3016	5.0			5014	4.0	6013	3.0	7015	3.0	8022	3.0		
1017	3.0			3017	8.0			5015	3.0	6014	4.0	7016	3.0	8023	3.0		