

TECHNICAL SPECIFICATION

Product Range: Dektite (incl. Retrofit, Soaker, Seldek and Tile Flashing)

American Standard for Testing of Materials (ASTM)

ASTM Method	Test Description	Typical Results			
		Specification	Grey EPDM	Black EPDM	Red Silicone
D2240	Shore 'A' Hardness	60 +/- 5	60	60	60
D412	Tensile Strength (MPa min)	7.0 min	10.5	10.5	8.5
D412	Elongation @ Break (% min)	350 min	650	650	525
D624	Tear Resistance Die C (kN/m min)	20.0 min	31.5	32	22
	Trouser Tear (kN/min)	10.0 min	14	14.5	12
D573	Heat Resistance 70 hrs @ 100°C				
	Change in Hardness (points)	+/- 10	1	3	6
	Change in Tensile (%)	+/- 25	3.5	-5	9
	Change in Elongation (%)	+/- 25	-14	-16	-9
D395	Compression Set 22 hrs @ 70°C (% max)		14	14.5	7
D1171	Resistance to Ozone	100ppm No cracks	Passed	Passed	Passed
D2137	Low Temp. Brittleness (3 mins @ -50°C)	Non-brittle	Passed	Passed	Passed

Underwriters Laboratory (UL)

UL 94	Flame Resistance	HB	Passed	Passed	Passed
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Other

SAAHB39-1997	Installation Code for Metal Roofing and walling	-	Apprvd	Apprvd	Apprvd
AS2918 – 1990	Installation of Domestic Solid Fuel Burning Products	-	Apprvd	Apprvd	Apprvd
SAE J1960	Accelerated UV testing ¹	400hrs No cracks	Pass	Pass	Pass
-	Constant Temperature Resistance	-	-50 to 115°C	-50 to 115°C	-60 to 200°C
-	Intermittent Temperature Resistance	-	-50 to 150°C	-50 to 150°C	-60 to 250°C

¹ Tests conducted at 83 °C, 50% relative humidity/dry cycle and 0.48 w/m² (UV-A 340 nm)