

ROXX Performance Specifications

TEST	DESCRIPTION	RESULT
ASTM D 2583-95	Hardness (Barcol)	8.4MPa
ASTM D 638	Tensile Strength	8.4 Mpa
ASTM D2566-00	Impact Resistance	4.29kj/m ²
ASTM D-570	Water Absorption	2 hrs. water immersion - 0.10 24 hrs. water immersion - 0.25
AS/NZS 3837	Fire Resistance - Cone Calorimeter	Peak heat release rate 376kW/m ² Total heat release 58MJ/m ²
AS1530, 1999	Early Fire Hazard	Ignitability index - 9 Spread of flame index - 3 Heat evolved index - 6
AS/NZS 4586:2004	Slip Resistance - Burnished	Wet pendulum (Four S slider). Mean BPN- 43 Oil - wet ramp. Mean overall acceptance angle - 11°
AS/NZS 4586:2004	Slip Resistance - High Gloss	Wet pendulum (Four S slider). Mean BPN- 23 Dry (FFT). Mean COF - 0.45 Oil - wet ramp. Mean overall acceptance angle - 4.4°
ASTM-G-53	UV Resistance ⁽¹⁾	Minor cosmetic change only
ASTM D 2571-95	Boiling Water Resistance	No visible change
BS 6431: Part 12: 1983,EN 100	Modulus of Rupture (Mor)	29MPa
AS3558.23-1999; AS3557.24-1999	Temperature Resistance	No cracking, crazing, blistering, delamination or discolouration. Sample darkened in colour. ⁽²⁾

(1) UV resistance tests conducted to New Zealand standards of Nuplex Industries Ltd. (1000 hours estimates to 8000 hours direct UV exposure in NZ and up to 20,000 hours in the northern hemisphere.) UV exposure caused slight erosion of the resin binder as expected. There would be no structural strength reduction caused by the minor cosmetic change.

(2) This discolouration is likely to be caused by staining due to the oil as per the stain resistance test rather than the effect of heat.