

IMPACT ABSORPTION

Tested to AS/NZS 4422:1966 with samples on a concrete floor

FIRE RATING (AS 1530 PT.3)

Ignitability Index (0-20)	15
Spread of Flame Index (0-10)	8
Heat Evolved Index (0-10)	10
Smoke Developed Index (0-10)	8

ACCELERATED AGEING (AS 2963.15 DETERMINATION OF HEAT AGEING)

Tropical Storage	100°C in oven for 6 days continuous	No Change
Tropical Ageing	40°C at 95%RH for 6 days continuous	No Change
Wet Ageing	Continuous immersion in water at 60°C for 6 days	White crazing - wipes off
Cyclic Climate Change	70°C at 95%RH for 24 hours to 25°C at 95%RH for 24 hours - 20 cycles	No Change
Freeze Thaw	Minus 10°C for 8 hours then thawed – 20 cycles	No Change

FUNGAL AND ALGAL RESISTANCE

This product is not susceptible to fungal or algal growth even after repeated inoculations

SLIP RESISTANCE (AS/NZS 3661.1)

Evaluation Criteria:	Very Poor = 0.00 - 0.19	Poor = 0.20 - 0.39	Good = 0.40 - 0.75	Excellent = >0.75
Wet Test (method = Pendulum Test)	Coefficient of Friction = 0.46			
Dry Test (method = Tortus Test)	Coefficient of Friction = 0.80 (minimum acceptable value = 0.40)			

FORCE REDUCTION (DIN 18032 PART 2) 55%

In the mid range specified for sports surfaces. Tests indicate the material will not compact with use to a much harder surface.

ACOUSTIC TEST <45dB(A)

Tested by registered Laboratory under controlled conditions. Sound levels for an 80kg male walking on 15mm Safety Surfacing Solutions surface in leather shoes measured @ 1.5m is 40dB(A) re 20 microPascals. This level is equivalent to background noise in a quiet bedroom at night.

CIGARETTE BURN RESISTANCE

No change. Minor loss of pigment on coloured surfaces only.

CHEWING GUM RESISTANCE

Gum chips off when hardened. Ice will assist in hardening of gum.

ABRASION RESISTANCE

Taber Abrader - 2000 cycles, 1000g weight, h18 wheel - 0.3957g loss.

SURFACE RESISTANCE - AT 30°C IN DIRECT SUNLIGHT

Black Surface	40°C
Terracotta Surface	34°C
Green Surface	37°C

TENSILE STRENGTH

At 850kg/m³ - 1822mPa (264psi)

THERMAL STABILITY (AS 2983.17)

14 days in 80°C water bath - no change.

COMPRESSION LOAD RESISTANCE (AS1683.13) (ASTM 395D)

22 hours at 70°C at 25% compression:	850 density	41.8%
	900 density	38.4%

Technical data provided by Safety Surfacing Solutions