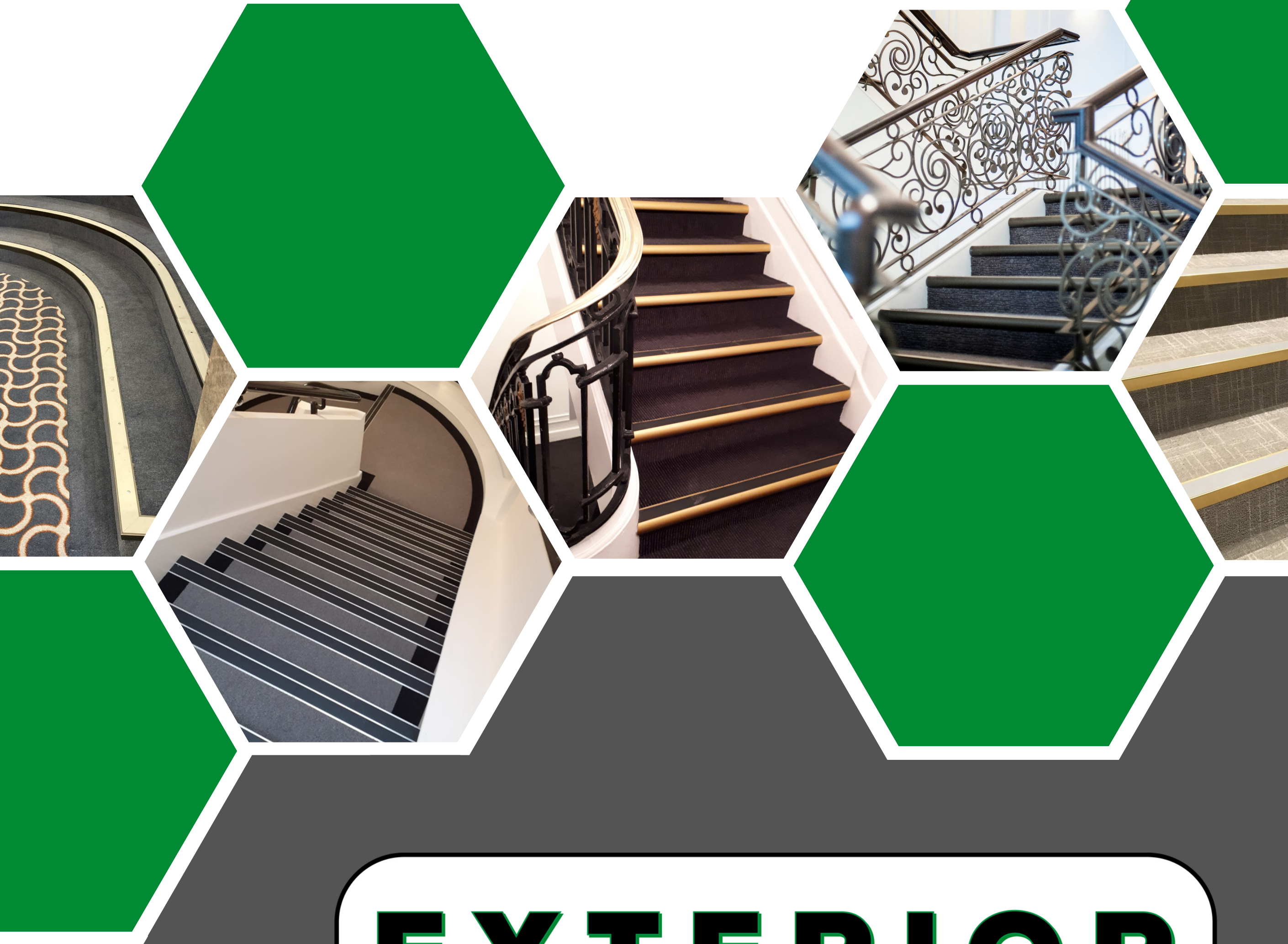


morleys

S T A I R N O S I N G S



EXTERIOR RANGE

DATA SHEET

Technical & safety information for the exterior range of inserts.
Available for use in SN Range Stair Nosings.

Exterior Range Inserts

Morleys range of “Exterior Insert” products (GRP anti-slip flooring panels) that provide a quick, safe and effective solution to slippery pedestrian areas where slips and fall are a potential hazard.

Materials

Made from resins and matting combined, the key features are the use of fused alumina or quartz grit being applied. These are added at the wet stage of manufacture which enables the grit to sink into the material to make one homogenous sheet. This is then protected with a tough gel coat.

Surface Profile

Grit - Composites use either quartz or fused alumina.
Spec - Ultra Fine Finish

Fire Resistance	
General Purpose (GP) Grade	

Colour Range	
Coal (LRV 5.09)	Brimstone (LRV 54.24)
	

Thermal Co-Efficient Of Expansion

$$30 \times 10^{(-6)} / ^\circ\text{C}$$

Compared with other plastics, GRP has minimal expansion and contraction characteristics and will not bow or warp in extreme temperature.

Thermal Conductivity

FYBATEX : 0:2 w/mK

Flexural Strength

193 MPa

Tensile Strength

123 MPa

Tensile Modulus

7.1 GPa

The GRP Insert is up to seven times stronger than mild steel on a weight for weight basis.

Pendulum Test Results

Product	Dry Surface (TRL)	Wet Surface (TRL)
Morleys Exterior Grip	>95	>85

The TRL Pendulum test has a range of readings from 0-150, high values indicate good slip resistance.

Potential For Slip	Pendulum Test Value
High	-24
Moderate	25-35
Low	36+

Guide table listed above used to interpret results using the 'Four S Slider' system as suggested by the UK Resistance Group.