

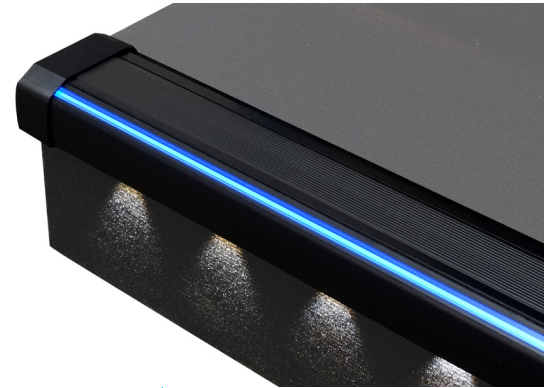
Guardian¹³ AL

ALUMINUM STEP NOSE WITH EMBEDDED LIGHTING

INTERNATIONAL SPECIFICATION

PROJECT: _____

TYPE: _____



APPLICATION

The Guardian AL Step Nose is ideal for any type of venue from movie theatres to auditoriums and stadiums. Provides a continuous line of light on the tread of each step and a non-slip vinyl tread insert for ultimate safety and aesthetics in low light environments. Optional riser lighting provides scalloped light effect on the riser for additional safety. Features two circuit design so tread and riser light can be dimmed separately as needed. Commercial grade aluminum body is cut to length at factory for ease of installation and the LEDs can be field serviced if needed without removing entire step nose. End covers can be adjusted and pulled out after installation for fitting and maintenance. Riser light cap shields can be shifted left or right after installation for better alignment to match the scalloped steps above and below in the run.

CONSTRUCTION

- Durable extruded aluminum body, black.
- Matching black die cast aluminum end covers.
- Non-slip vinyl insert in contrasting colors of Black and Gray. Consult factory for custom colors.
- Mechanical (screw) installation plus adhesive for extra security and vibration dampening properties.
- Flooring Slip Resistance Test Certified - AS HB198:2014 (AS/NZS 4586)

OPTICS / LENS / DIFFUSER

- Continuous side glow fiber optic rod on tread provided even, neon type, illumination across step.
- Riser LEDs spaced 100mm on center for scallop effect.
- Seated tread lens resists spills and moisture ingress.

PERFORMANCE

- Micro-maintainable LEDs are field replaceable without having to remove step nose fixture.
- Power consumption of 1.0W per step tread LED and less than 1.0W per 304mm for riser LEDs.
- 2 circuit dimmable design allows for separate control of tread light output and riser light output.
- 12VDC remote power supply.

LIGHT CHARACTERISTICS

- Tread LED and riser LED colors available in Red, Green, Blue, Amber, Yellow or White.

Buy Tempo
Buy American

MADE IN
USA 
OF US AND IMPORTED COMPONENTS

WARRANTY

Minimum 2 year limited warranty.
Contact customer service for more details on warranty options.



ADA Compliant



Guardian¹³ AI

ALUMINUM STEP NOSE WITH EMBEDDED LIGHTING

INTERNATIONAL SPECIFICATION

ORDERING INFORMATION

GUARDIAN ALUMINUM STEP NOSE

Example: GA12D-RD-2710-GY-WC-L-M1500BK

Guardian Aluminum Step, 12VDC, Tread LED Red, Riser LED 2700K/100mm, Gray Vinyl, Left Wall Cover/Right Carpet to Floor Cover, Left Power Feed, Metric - 1500mm Black

GA		12D									BK										
Series		Voltage		Tread LED Line Color¹		Riser LED Color¹		Riser LED Spacing⁴		Vinyl Tread Color		Left End Cover		Right End Cover		Power Feed		Total Length³		Anodized Finish	
GA Guardian Aluminum Step Nose		12D 12VDC		RD Red GR Green BL Blue AM Amber YL Yellow NN No LED		RD Red GR Green BL Blue AM Amber YL Yellow 16 1600K 22 2200K 27 2700K 35 3500K 40 4000K NN No LED		10 100mm		BK Black GY Gray		W Wall C Carpet to Floor		W Wall C Carpet to Floor		L Left R Right		M800-M2000 Specify in 25mm increments		BK Black	

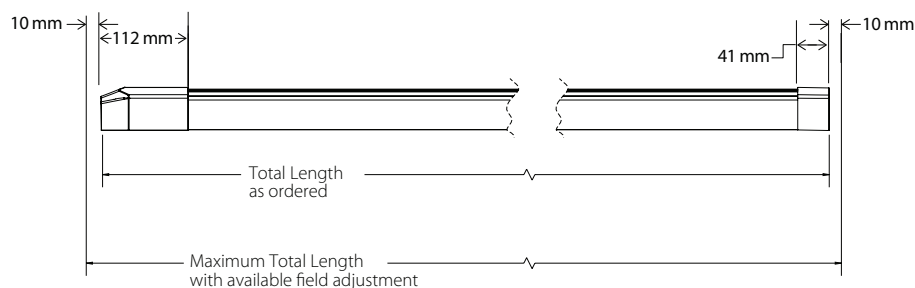
1) For custom configurations, consult factory.

2) Three Riser LEDs per 305mm module. Please refer to table on Page 3 for number of allowable modules per build length and their corresponding unlit space on ends.

3) Total order length includes end covers. For lengths longer than listed, consult factory.

Guardian AI provides up to 10mm outward end cover extension on both ends for field adjustability.

4) If Riser LED Color selection is No LED (NN), leave Riser LED Spacing selection blank.

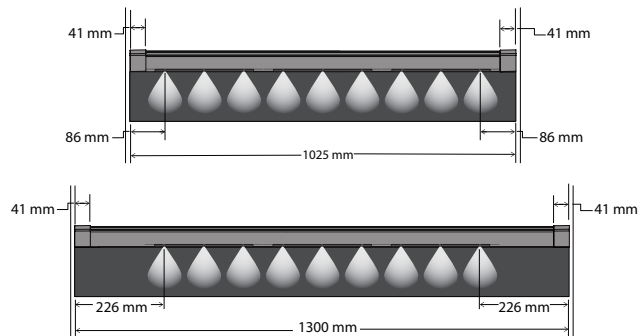


Guardian¹³ AI

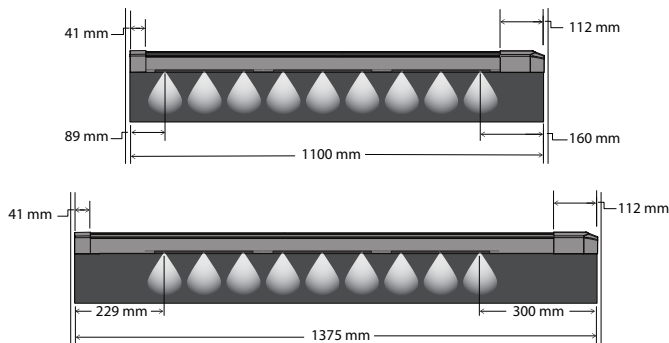
ALUMINUM STEP NOSE WITH EMBEDDED LIGHTING INTERNATIONAL SPECIFICATION

Riser LED configuration examples illustrating minimum to maximum order lengths for 3 modules and the corresponding unlit space on ends.*

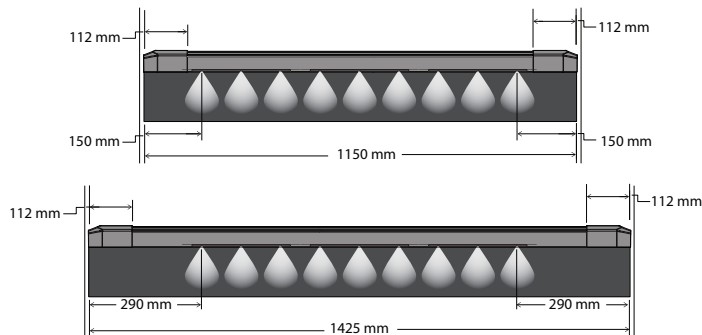
WALL END COVER / WALL END COVER



WALL END COVER / CARPET END COVER



CARPET END COVER / CARPET END COVER



* NOTE: Order lengths should be 6.4mm shorter than actual step measurement. Guardian AI provides up to 10mm outward end cover extension on both ends for field adjustability.

RISER LED SPECIFICATION GUIDE*

ORDER LENGTH	WALL EC / WALL EC			WALL EC / CARPET EC			CARPET EC / CARPET EC		
	# OF MOD-ULES	W-EC UNLIT SPACE	W-EC UNLIT SPACE	# OF MOD-ULES	W-EC UNLIT SPACE	C-EC UNLIT SPACE	# OF MOD-ULES	W-EC UNLIT SPACE	C-EC UNLIT SPACE
800mm	2	125mm	125mm	2	89mm	160mm	1	277mm	277mm
825mm	2	137mm	137mm	2	102mm	173mm	1	290mm	290mm
850mm	2	150mm	150mm	2	114mm	185mm	2	150mm	150mm
875mm	2	163mm	163mm	2	127mm	198mm	2	163mm	163mm
900mm	2	175mm	175mm	2	140mm	211mm	2	175mm	175mm
925mm	2	188mm	188mm	2	152mm	224mm	2	188mm	188mm
950mm	2	201mm	201mm	2	165mm	236mm	2	201mm	201mm
975mm	2	213mm	213mm	2	178mm	249mm	2	213mm	213mm
1000mm	2	226mm	226mm	2	191mm	262mm	2	226mm	226mm
1025mm	3	86mm	86mm	2	203mm	274mm	2	239mm	239mm
1050mm	3	99mm	99mm	2	216mm	287mm	2	252mm	252mm
1075mm	3	112mm	112mm	2	229mm	300mm	2	264mm	264mm
1100mm	3	125mm	125mm	3	89mm	160mm	2	277mm	277mm
1125mm	3	137mm	137mm	3	102mm	173mm	2	290mm	290mm
1150mm	3	150mm	150mm	3	114mm	185mm	3	150mm	150mm
1175mm	3	163mm	163mm	3	127mm	198mm	3	163mm	163mm
1200mm	3	175mm	175mm	3	140mm	211mm	3	175mm	175mm
1225mm	3	188mm	188mm	3	152mm	224mm	3	188mm	188mm
1250mm	3	201mm	201mm	3	165mm	236mm	3	201mm	201mm
1275mm	3	213mm	213mm	3	178mm	249mm	3	213mm	213mm
1300mm	3	226mm	226mm	3	191mm	262mm	3	226mm	226mm
1325mm	4	86mm	86mm	3	203mm	274mm	3	239mm	239mm
1350mm	4	99mm	99mm	3	216mm	287mm	3	252mm	252mm
1375mm	4	112mm	112mm	3	229mm	300mm	3	264mm	264mm
1400mm	4	125mm	125mm	4	89mm	160mm	3	277mm	277mm
1425mm	4	137mm	137mm	4	102mm	173mm	3	290mm	290mm
1450mm	4	150mm	150mm	4	114mm	185mm	4	150mm	150mm
1475mm	4	163mm	163mm	4	127mm	198mm	4	163mm	163mm
1500mm	4	175mm	175mm	4	140mm	211mm	4	175mm	175mm
1525mm	4	188mm	188mm	4	152mm	224mm	4	188mm	188mm
1550mm	4	201mm	201mm	4	165mm	236mm	4	201mm	201mm
1575mm	4	213mm	213mm	4	178mm	249mm	4	213mm	213mm
1600mm	4	226mm	226mm	4	191mm	262mm	4	226mm	226mm
1625mm	5	86mm	86mm	4	203mm	274mm	4	239mm	239mm
1650mm	5	99mm	99mm	4	216mm	287mm	4	252mm	252mm
1675mm	5	112mm	112mm	4	229mm	300mm	4	264mm	264mm
1700mm	5	125mm	125mm	5	89mm	160mm	4	277mm	277mm
1725mm	5	137mm	137mm	5	102mm	173mm	4	290mm	290mm
1750mm	5	150mm	150mm	5	114mm	185mm	5	150mm	150mm
1775mm	5	163mm	163mm	5	127mm	198mm	5	163mm	163mm
1800mm	5	175mm	175mm	5	140mm	211mm	5	175mm	175mm
1825mm	5	188mm	188mm	5	152mm	224mm	5	188mm	188mm
1850mm	5	201mm	201mm	5	165mm	236mm	5	201mm	201mm
1875mm	5	213mm	213mm	5	178mm	249mm	5	213mm	213mm
1900mm	5	226mm	226mm	5	191mm	262mm	5	226mm	226mm
1925mm	6	86mm	86mm	5	203mm	274mm	5	239mm	239mm
1950mm	6	99mm	99mm	5	216mm	287mm	5	252mm	252mm
1975mm	6	112mm	112mm	5	229mm	300mm	5	264mm	264mm
2000 in	6	125mm	125mm	6	89mm	160mm	5	277mm	277mm

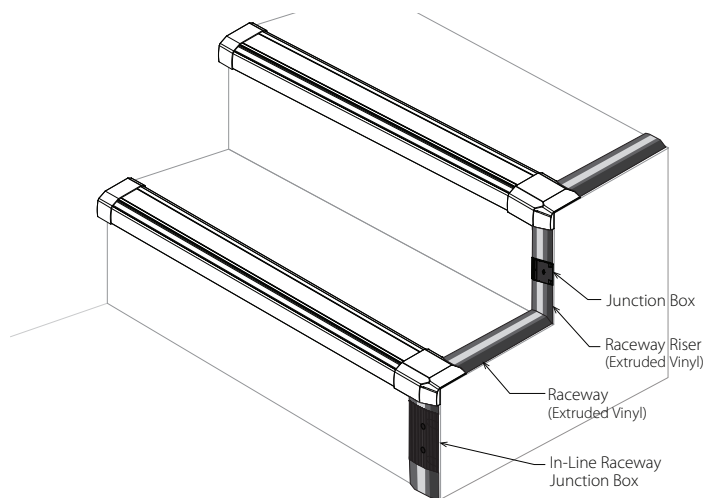
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ALUMINUM STEP NOSE WITH EMBEDDED LIGHTING

INTERNATIONAL SPECIFICATION

SYSTEM INTEGRATION ACCESSORIES

J-BOX		
	LPS-BK-JBX	LPS Junction Box, Black
	LPS-BK-RW-JBX	LPS Inline Raceway J-Box, Black
RACEWAY		
	LPS-BK-RW-CF-B	LPS Extruded Vinyl Raceway, Black, Carpet to Floor, Base, 2.44 meter
	LPS-GY-RW-C	LPS Extruded Vinyl Raceway, Gray, Cover, 2.44 meter
	LPS-BK-RW-C	LPS Extruded Vinyl Raceway, Black, Cover, 2.44 meter
	LPS-BK-RW-RSR	LPS Extruded Vinyl Riser Raceway, Black, 203 mm, square cut in field for left or right
ADHESIVE - Must be purchased from Tempo.		
	ADH-BOND-S	Tempo Set & Step Adhesive, 20 Ounce Sausage Pack
	ADH-SPREADER	Adhesive Spreader
12VDC POWER SUPPLIES - Require approved enclosure (by others). See chart below		
	PWR-120-EL-040-T	120V AC Input, 12V DC Output, 40W, Triac Dimming (dim to 1%) Lutron Hi-lume 1% 2-wire LED driver, 120V forward phase; 76mm W x 25mm H x 125mm L
	PWR-UNV-EL-060	120-277V AC Input, 12V DC Output, 60W, Non-Dimming; 43mm W x 33mm H x 213mm L
	PWR-UNV-EL-060-Z	120-277V AC Input, 12V DC Output, 60W, 0-10V Dimming (dim to under 10%); 43mm W x 33mm H x 213mm L
	PWR-UNV-EL-100-D	120-277V AC Input, 12V DC Output, 100W, DMX/DALI, UI
SURGE SUPPRESSION DEVICE A Tempo furnished surge suppression device must be installed on each supplying branch circuit to comply with warranty terms		
	SSD-240	240V Branch Circuit



12VDC DRIVER REMOTE DISTANCE

12V Driver	Wire Gauge	Maximum Lead Length
	18 AWG	3m
	16 AWG	4.5m
	14 AWG*	7.5m
	12 AWG*	12m

* Terminal blocks on the drivers accept only solid 18AWG or 16AWG wire. To use wire gauges larger than 16AWG connect up to 3 ft of 18AWG or 16AWG, then connect 14AWG or 12AWG with UL approved wire nuts up to the maximum lead length in the above tables.

NOTE: 12VAC Drivers have no maximum lead length.

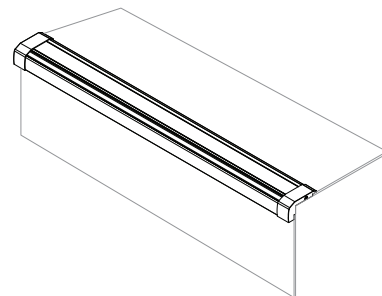
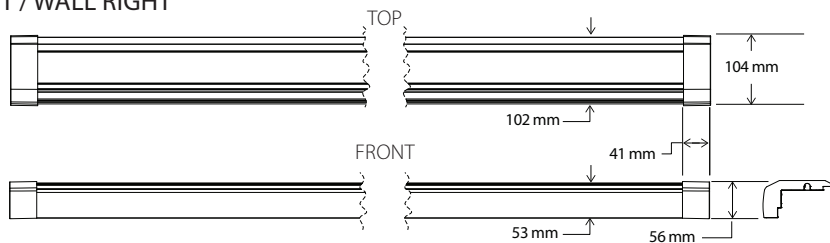
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ALUMINUM STEP NOSE WITH EMBEDDED LIGHTING

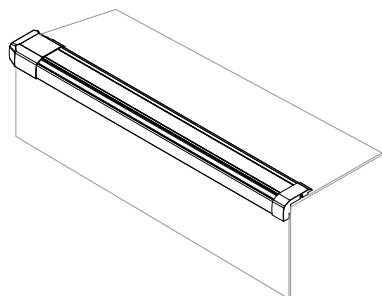
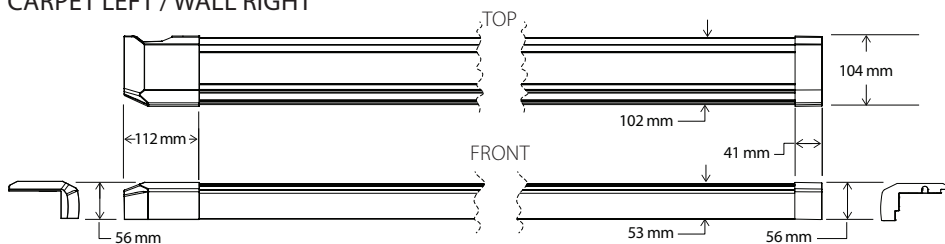
INTERNATIONAL SPECIFICATION

DIMENSIONAL INFORMATION

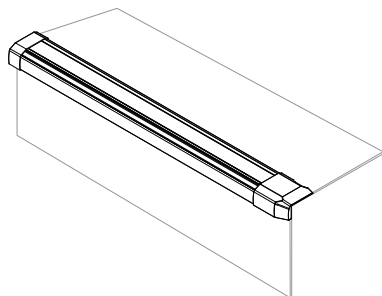
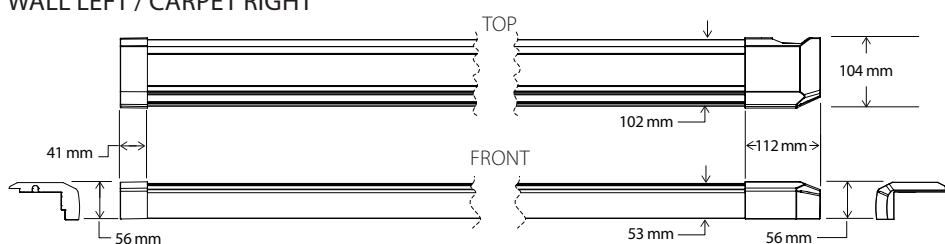
WALL LEFT / WALL RIGHT



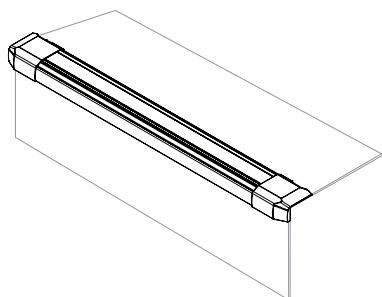
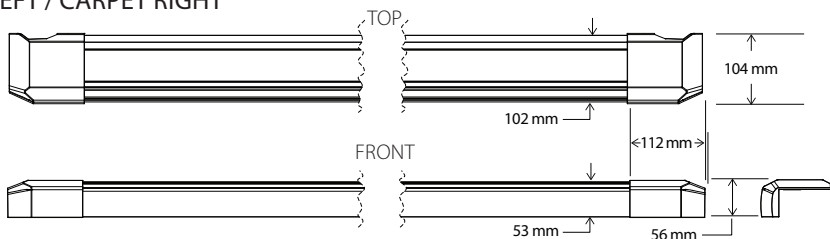
CARPET LEFT / WALL RIGHT



WALL LEFT / CARPET RIGHT



CARPET LEFT / CARPET RIGHT



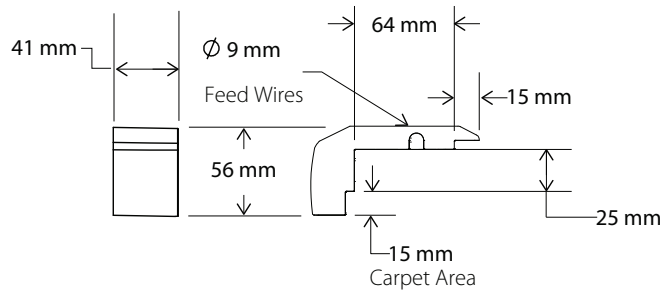
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ALUMINUM STEP NOSE WITH EMBEDDED LIGHTING

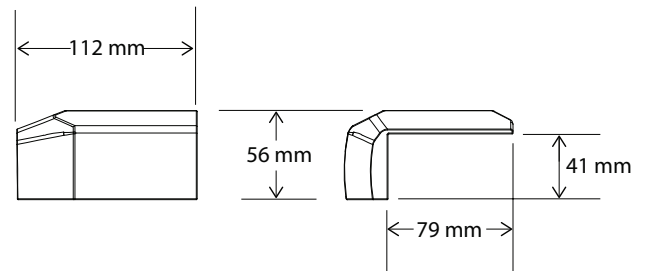
INTERNATIONAL SPECIFICATION

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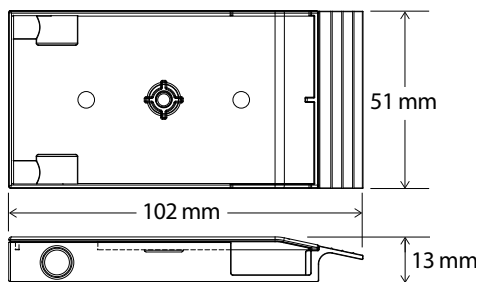
WALL END COVER



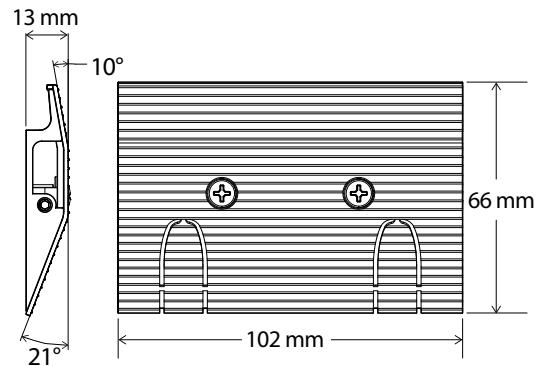
CARPET END COVER



JUNCTION BOX (LPS-BK-JBX)

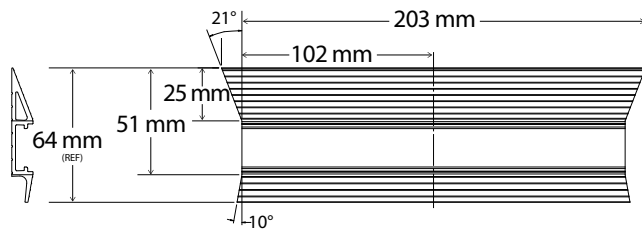


INLINE RACEWAY JUNCTION BOX (LPS-BK-RW-JBX)



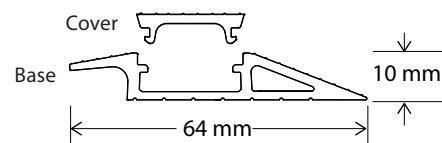
RACEWAY RISER - EXTRUDED VINYL (LPS-BK-RW-RSR)

Square cut one end for left or right



RACEWAY CARPET TO FLOOR - EXTRUDED VINYL

(LPS-BK-RW-CF-B)



APPLICATION

Set&Step™ is a one component, fast grab adhesive designed to secure Tempo floor safety products. The multipurpose elastomeric sealant has high green strength for quick adhesion. When fully cured, this unique VOC compliant formula offers UV stability and a steadfast bond to concrete, wood, metal, painted surfaces, and many other common substrates.

FEATURES & BENEFITS

- Alternative to mechanical fastening
- Black material color to match Tempo products
- High green strength/elastic with fast cure
- Flexible & durable, will not shrink or crack
- Can be sanded & painted
- Adhesion to Kynar®
- Odorless & non-corrosive
- VOC compliant
- Contains no solvents or Isocyanates
- Color stability and UV resistant (ASTM G26)
- Non-yellowing/staining
- Resistant to most chemicals

PRODUCT USAGE

- LPS Step Nose (24' per sausage pack)
- LPS Raceway (50' per sausage pack)
- Guardian Step Nose (16' per sausage pack)
- Guardian Aisle CC (60' per sausage pack)
- Guardian Aisle CF (50' per sausage pack)

MEETS SPECIFICATIONS

ASTM C920 Type S, Grade NS, Class 25, Use NT, A, M

P/N: ADH-BOND-S



PHYSICAL PROPERTIES		TEST METHOD
Cure System	Hybrid, Moisture Cure	
Movement Capability, %	± 25%	ASTM C-719
Modulus	Medium	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	1.55	
Extrusion Rate, g/min.	100	ASTM C-1183
1/8" orifice @ 50 psi		Modified
Temperature Range	-75° F to 225° F	
Intermittent Temperature Range	250° F	
Accelerated Weathering (10,000 hrs.)	No Change	AUV Weatherometer
Skin Over Time (min)*	20	MNA Method
Tack Over Time (min)*	35	ASTM C-679
Cure Rate*	1/8" per 24hrs.	MNA Method
Tensile Strength (psi)	287	ASTM D-412
Elongation %	250	ASTM D-412
Durometer Shore A	55	ASTM C-661
Shelf Life (months)	18	
Volatile Organic Content	> 26 gr./litre	

* All properties derived from lab conditions (77°F at 50% relative humidity). Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

Tempo products and technologies are protected under one or more US and International patents.

Tempo reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program. Please consult www.tempolc.com for the most up-to-date specifications and technical data.