

FLIP120L

KICK RAILS AND WHEEL STOPS

PRODUCT SPECIFICATIONS

APPLICATION

Environment	- Ground level protection - Wall protection (refrigerator walls, decorative walls, sandwich panels) - Wheel guide for pallet trucks or trolleys in busy traffic lanes - Protection of machines and infrastructure - Below a Boplan traffic barrier system - Indoor and outdoor use - Food Industry
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MATERIAL

Plinth	Extrilene® - UV resistant - Fire class E [*] - Non conductive - Impervious to most chemicals ^{**}
Endcap	Sustainable elastomer

STANDARD COLOURS

Plinth	Yellow/Black - Black/Yellow (Yellow RAL 1003 & Black RAL 9005)
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^{*}Classification according to EN 13501-1:2007 +A1:2009 - Fire classification of construction products and building elements.
^{**}Ask your local sales office for resistance to specific chemicals.



FIXATIONS

			ZC (Zinc coated)	SS (Stainless steel)
STANDARD ALTERNATIVES	Concrete screw		Ø12mm x 100mm	Not available
	Anchor rod (Chemical)		M12 x 120mm + Chemical resin	M12 x 120mm + Chemical resin
	Wedge Anchor		M12 x 120mm	Not available
	Asphalt anchor		Bolt M10 x 40mm + Screw Ø16mm	Not available



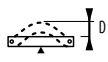
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FEATURES AND FUNCTIONALITY - FLIP120L

BOPLAN FLIP120L		
IMPACT RATING	45°	90°
E50	< 50 kJ	
E40	< 40 kJ	
E30	< 30 kJ	
E25	< 25 kJ	
E20	< 20 kJ	
E15	< 15 kJ	
E12	< 12 kJ	
E10	< 10 kJ	
E7	< 7.5 kJ	
E5	< 5.0 kJ	5.3 kJ
E2	< 2.5 kJ	4.2 kJ
E1	< 1.0 kJ	

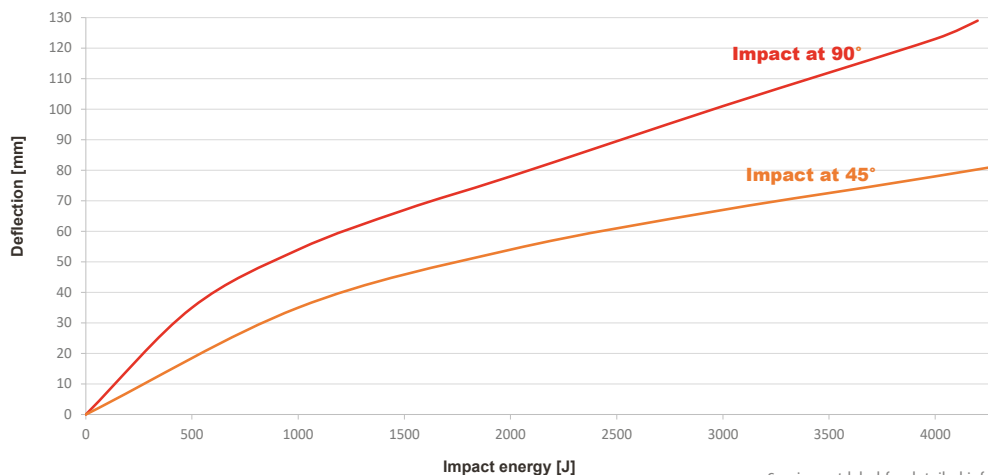
IMPACT RESULTS Deflection: At maximum impact energy	 D = 129 mm / 7.5 inch	SUCCESS CRITERIA VEHICLE STOPPED ASI (ACCELERATION SEVERITY INDEX) <0.5
TEST CONDITIONS TEMPERATURE: 20°C / 68°F IMPACT HEIGHT: 88 mm / 3.46 inch → D: 129 mm / 7.5 inch TEST FLOOR: CONCRETE SLAB C25/30 - 150 mm / 6 inch	BOPLAN TEST CENTRE Muizelstraat 12 8560 Moorseele Belgium	
TEST VEHICLE: TYPE: BOPLAN IMPACT TEST VEHICLE WEIGHT: 3775 kg / 8322.45 lbs SIZE (L x W x H): 3100 x 1100 x 1150 mm / 122 x 43 1/4 x 45 1/4 inch CONTACT AREA, STEEL BUMPER WIDTH: 1000 mm / 39 1/4 inch	IL-PL121-20240711	

SIZE	
Height	120 mm
Profile section	120 mm x 120 mm (10 mm thick)
Standard rail length	1000 mm - 2000 mm - 3000 mm (other sizes: 500 - 2999 mm)

REQUIREMENTS	
Concrete quality	minimum C25/30
Concrete floor plate thickness	minimum 150 mm
Operational temperature	-10°C up to +40°C
Water and humidity	Zinc coated fixations: indoor and outdoor use in most environments

REFERENCE LIST - FLIP 120L		
	YELLOW/Black	BLACK/Yellow
500mm (2fix)	PL1210-0500-0001YB	PL1210-0500-0001BY
1000mm (2fix)	PL1210-1000-0001YB	PL1210-1000-0001BY
2000mm (3fix)	PL1210-2000-0001YB	PL1210-2000-0001BY
3000mm (4fix)	PL1210-3000-0001YB	PL1210-3000-0001BY
550-1300mm (2fix)	PL1211-1300-0001YB	PL1211-1300-0001BY
1301-2200mm (3fix)	PL1211-2200-0001YB	PL1211-2200-0001BY
2201-2999mm (4fix)	PL1211-2999-0001YB	PL1211-2999-0001BY

Deflection curve



See impact label for detailed information on the test conditions.

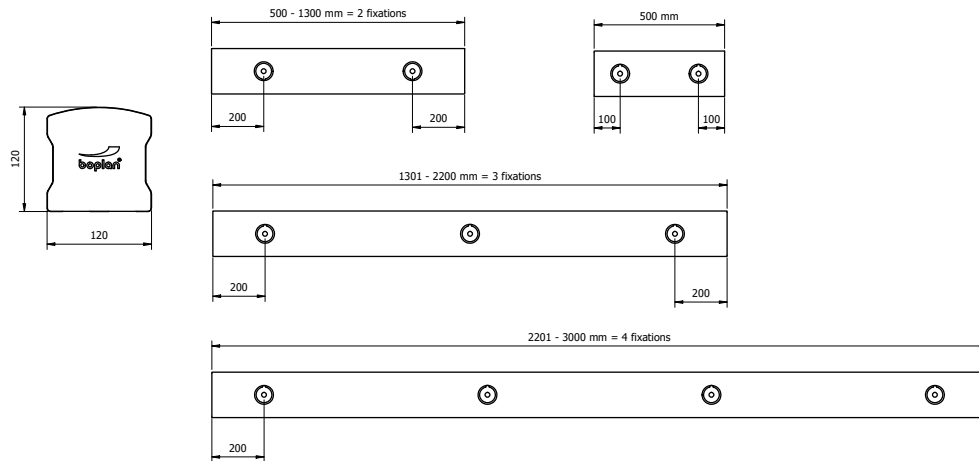


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TECHNICAL DRAWING - FLIP120L



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