

FLIP120L

KICK RAILS AND WHEEL STOPS

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Boplan reference: PL1210...







PRODUCT SPECIFICATIONS

APPLICATION	
Environment	<ul style="list-style-type: none"> 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
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)





⁺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	Concrete screw	 Ø12mm x 100mm	Not available
	Anchor rod (Chemical)	 M12 x 120mm + Chemical resin	M12 x 120mm + Chemical resin
ALTERNATIVES	Wedge Anchor	 M12 x 120mm	Not available
	Asphalt anchor	 Bolt M10 x 40mm + Screw Ø16mm	Not available



FEATURES AND FUNCTIONALITY - FLIP120L

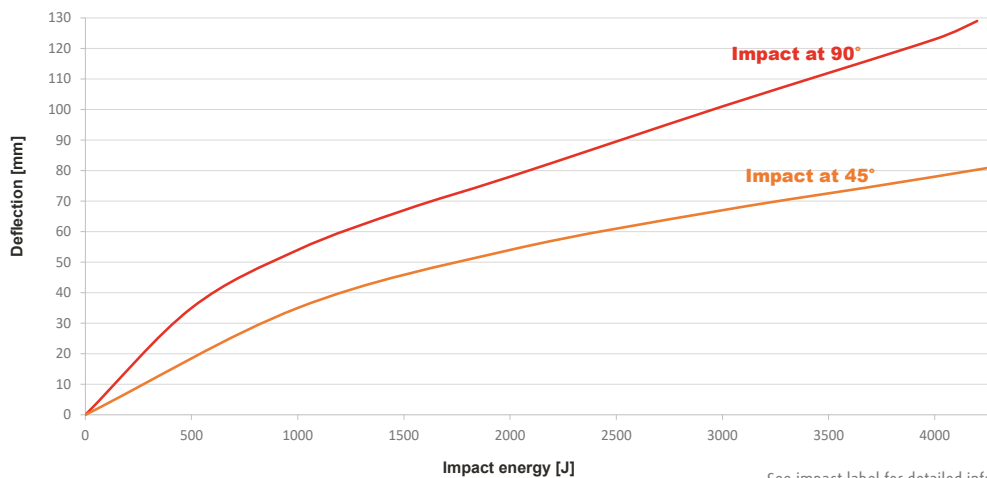
 IMPACT LABEL FOR SAFETY BARRIERS		
BOPLAN FLIP120L 		
IMPACT RATING	45°	90°
E50 < 50 kJ		
E40 < 40 kJ		
E30 < 30 kJ		
E25 < 25 kJ		
E20 < 20 kJ		
E15 < 15 kJ		
E12 < 12 kJ		
E10 < 10 kJ		
E7 < 7.5 kJ		
E5 < 5.0 kJ	5.3 kJ	4.2 kJ
E2 < 2.5 kJ		
E1 < 1.0 kJ		
IMPACT RESULTS Deflection:  D = 129 mm / 7.5 inch At maximum impact energy	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 Moorsele 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.

TECHNICAL DRAWING - FLIP120L

