

Multi-Barrier™

Model MB-48x40 Specification



Type:	Multi-Barrier™ Safety Barricade Model MB-48x40
Standard Colors:	Orange and White - Also available in custom colors.
Composition:	High Impact, UV-Resistant Polyethylene
Size:	Height: 48" / 1219 mm Length: 40" / 1016 mm Width: 24" / 6" (base/top) 610 mm / 152 mm (base/top) Wall: .20" / 5 mm Mass: 50 lbs / 22.7 kg (empty)

- Optional Accessories:**
- Stanchions can be utilized with snow fencing or barricade rail to create Type III barricades.
 - Pre-molded attachment area for flashing lights.
 - Interchangeable signage: directional, reflective, advertising
 - Display panel designed to meet MUTCD Specifications for Type I and Type II barricades.
 - U-Connector creates vandal-proof interlocking longitudinal walls.
 - Compatible with other Multi-Barrier™ models to create walls of varying height.

- Sample Generic Specification:**
- Barricade must be of resiliently deformable and non-conductive material.
 - System must be **NCHRP 350** approved.
 - System must be able to create an interconnected wall with no intermittent gaps.
 - Barricade must be fabricated in approved OSHA safety colors.
 - Barricade must be vandal-proof with the capability of positive locking in such a manner that discourages section disconnection once attached.

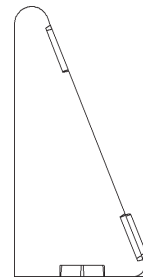
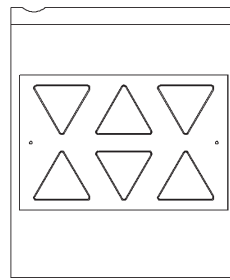
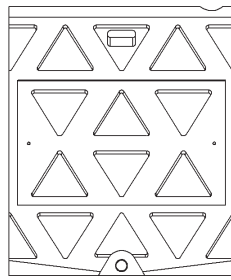
Scope of service: Rapidly deployable traffic / security barricade. Enhances security and safety in less time than constructing sandbag structures or moving concrete road barriers. Weighing only 50 pounds, the barricade can be installed manually and once positioned can be filled with over 900 pounds with water. Compatible with lights, stanchions, signage, and snow fencing.

- Performance Specifications:**
- DOT Performance Evaluations: Pass **NCHRP-350 Test 3-71**
 - FHWA Certification Letter WZ-8: Accepted Category II Traffic Control Device at 62.5 mph.
 - DOT Performance Evaluations: Pass NCHRP-350 test 1-10
 - FHWA Certification letter WZ-135: Accepted Category II longitudinal channelizing barricade
 - Application of force for tipping: Will resist a point force up to 255.8 lbs applied to top edge.

These specifications describe a Multi-Barrier™ MB-48x40 traffic control safety barricade. Equivalent traffic control safety barricades will be considered. It is the responsibility of the bidder to document and certify the equivalence of his/her product. Final determination of equivalency will be by the municipality. Use of these specifications is for the purpose of describing the standard of quality, performance and characteristics required, and is not intended to limit or restrict competition.



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Material: ISO 9000 Quality Manufactured 100% Recyclable LLDPE Polyethylene.

Physical Properties and Specifications:

Multi-Barrier products are manufactured from LLDPE (Equistar 625). LLDPE exhibits excellent environmental stress crack resistance, low temperature impact strength, and excellent UV resistance. Requires minimum fill, potassium acetate, or calcium chloride in low temperature conditions. Call for specifications.

	Test Procedure	Units	MP-625
Density	ASTM D-1505/D-4883/D-792 or ISO 1183, Method D	g/cc	0.935
Melt Index	ASTM D-1238 Condition 2.16, 190 or ISO 1133	g/10 min	5
ESCR Cond. A, F50	ASTM D-1693 100% Igepal 10% Igepal	hrs.	>1,000
		hrs.	350
ARM CTL. ESCR	10% Igepal	hrs.	
Flexural Modulus	ASTM D-790 at 1% Strain ISO 178	psi	87,200
		Mpa	600
Tensile Strength at Yield	ASTM D-638, Type IV specimen 2" per minute @ .125" thickness ISO 527-2, Type 1B	psi	2,490
		Mpa	17.1
		Mpa	
Heat Distortion Temperature	ASTM D-648 66 psi (4.64 kg/cm ²) 264 psi (18.56 kg/cm ²)	Celsius	52
		Celsius	39
	ISO 75-2 4.5 kg/cm ² 18.00 kg/cm ²	Celsius	
		Celsius	
ARM Low Temp. Impact, -40 C	1/4" (6.35 mm) specimen	ft. lbs.	150
		Joules	203
Meets FDA Requirements	Yes/No	Yes	
UV-Stabilized	Yes/No	Yes	

The information on this data sheet is, to our best knowledge, true and accurate. However, since the actual conditions of use and the specific uses of our products are beyond our control, the user necessarily assumes all risks of such use(s).



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