



PM-PCBM (Plate Mount Portable Concrete Barrier Marker)

Material Specifications

1) About

The PM-PCBM (Plate Mount Portable Concrete Barrier Marker) is a modular reflective device designed for permanent installation on the top surface of concrete median barriers and similar rigid roadway structures. When fitted with reflective sheeting, the PM-PCBM provides clear directional visibility of barrier locations and roadway alignment during both day and night conditions.

2) Base Construction

The PM-PCBM utilizes a rigid plate-mount base manufactured from ABS (Acrylonitrile Butadiene Styrene). ABS is selected for its balance of impact resistance, toughness, dimensional stability, and reliable performance under long-term outdoor exposure. The base is designed to accept epoxy or Tapcon® screws, depending on surface conditions.

ABS Material Properties:

Property	ASTM Test	Results
Specific Gravity	D792	1.04
Tensile Strength @ Yield (min psi)	D638	5,100
Elongation @ Yield	D638	2-3%
Notched Izod Impact -40°F	D256	3.3 ft-lbs/in
Notched Izod Impact 73°F	D256	7.0 ft-lbs/in

2) Panel Construction

Material: Luran® ASA provides excellent UV stability, weathering resistance, and colorfastness. The blade locks into the ABS base and is replaceable without removing the base, reducing maintenance time.

ASA Material Properties:

Property	ASTM Test	Results
Specific Gravity	D792	1.07
Tensile Strength @ Yield (min psi)	D638	5,800
Elongation @ Yield	D638	2-3%
Flexural Modulus (psi)	D790	226,000
Flexural Strength (psi)	D790	8,270
Notched Izod Impact -40°F	D256	1.1 ft-lbs/in
Notched Izod Impact 73°F	D256	5.2 ft-lbs/in

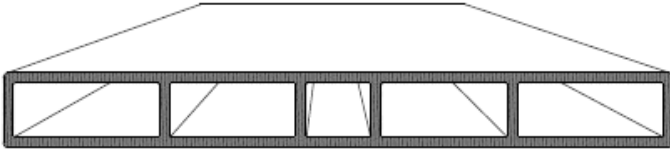


3) Panel Options

Heights: 9", 12" (standard), Wall thickness: .070"

Color: White (Other colors available upon request)

Profile geometry:



4) System Visibility & Performance

Each ASA blade height provides a continuous reflective surface improving long-range visibility. The modular ABS+ASA design allows damaged blades to be replaced without disturbing the base.

5) Application

Once installed, the PM-PCBM serves as a rigid, highly visible permanent barrier marker with excellent UV resistance and impact strength. It is capable of withstanding temperature cycles, moisture, and typical roadside environmental stressors.

6) Quality

The "PCBM" shall be manufactured by an ISO 9001 certified firm in good standing; evidence of ISO compliance shall be presented as a pre-condition for acceptance for use.

7) Manufacturer

The device above is manufactured by Pexco LLC, Davidson Traffic Control Products, Tacoma, WA, USA, phone (253) 284-8000, email hwysales@pexco.com.