



ARMORSTUD

Optical 360 Degree Reflective Pavement markers



ARMORSTUD 360° Optical Reflective Pavement Markers for all Roadways & Curves

Armorstud optical toughened glass reflective roadmarkers are a maintenance free permanent traffic control device. Constructed from high quality hardened glass, a material that is harder than steel offering enhanced mechanical properties exceeding 38 tons.

The optical design of the Armorstud uses a vehicle headlights by combing the incoming light rays and bending the light beams as it passes through the stud resulting into a focal beam that is projected directly back to the driver. The focal beam provides approaching motorists visual perspective and depth of the roadway ahead.



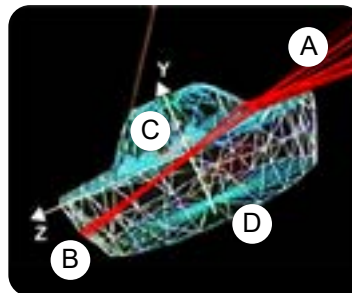
ARMORSTUD pavement markers provide unmatched abrasion and wear characteristics when compared to plastic pavement markers.



Armorstud's 360° unidirectional optical reflex technology reflects light back to its projected source from any area within its 360 degree radius. Armorstud's optical reflection characteristics provide winding roads and turns a distinct visible marking system for all oncoming motorists.

OPTICAL REFLEX FUNCTION

A vehicle's headlight is the entrance angle of light entering the Omni-reactional lens (A), is redirected to a specific area of the metalized reflector acting as a MIRROR (B). The beam of light is then reflected back to the entrance angles source of light using the optical dome as a light pivot point. (C).



Omni-Reactional reflex is based on four main elements:

- ▶ A. Entrance Angle
- ▶ B. Mirror
- ▶ C. Optical dome
- ▶ D. Base

The base (D) secures the marker in place when installed. The base being seated and bonded in a cavity of asphalt or concrete protects the reflective parabolic lens and from exposure to vehicle impacts contributing to the Armorstuds longevity. The protected optics provides the approaching motorists with a precise and efficient light signal, even under wet conditions.

FEATURES



- ▶ Armorstuds smooth surface allows it to be self-cleaning.
- ▶ Mechanical properties provide outstanding strength, durability and wear resistance when compared to plastic marker systems.
- ▶ Reflection type Omni-reactional
- ▶ Bonds with bituminous or 2-part adhesives
- ▶ Can be installed on angled curbs up to 5°



OPTICURB



BNEFITS

- ▶ Sleek compact design
- ▶ Approaching 360° visibility
- ▶ Toughened glass
- ▶ Compact design
- ▶ Self cleaning lens
- ▶ Precise optical light reflex
- ▶ Guaranteed 5 years

CHARACTERISTICS

- ▶ Optical tempered glass
- ▶ Mechanical strength >38 ton
- ▶ 360°, 180° and bi-color characteristics
- ▶ Optical reflection 268 cd/ft at 0.3°
- ▶ 360/180-RM dimensions: 4" x 1.7"
- ▶ 360 FT dimensions: 4" x 1.4"



Armorstud is the only marker available today that virtually designates roadway intersections centers for all motorists. A technological break through in road markings.

SPECIFICATIONS

CHARACTERISTICS	
Weight	6.2 oz.
Height/ width	4" x 1.71"
Material	Tempered glass
Mechanical Strength	>38 Tons
Shock Resistance	25 Joules / Newton 25
Installation	Adhesive
Optical principle	Reflector
Reflection type	360° & 180°

360 Degree Markers

360°

Item numbers	Colors
2A-360-RM1-W	White
2A-360-RM1-A	Amber
2A-360-RM1-RW	Red
2A-360-RM1-RW	Red & white

360°

Item numbers	Colors
2A-180-RM2-W	White
2A-180-RM2-A	Amber
2A-180-RM2-R	Red

NOTE:

360 Optical pavement markers may have different surface markings based on batch manufacturing. Other names used to identify Armorstud: USReflector, Armorstud, Cryzal, Holophane, CE