



OptiCURB

Optical 360 Degree reflective curb markers



OptiCURB-CURB 360° Optical Reflective Technology Illuminates & Defines Dark & Winding Roads.



OptiCURB markers provide 360 degree visibility outlining all types of concrete and stone curbing.

OptiCURB 360° Optical reflective curb markers are a maintenance free permanent traffic control device designed to last the life of a curb. Illuminate and define raised medians, curbs, islands, rotaries and merging lanes with **TOTAL LIGHT FUNCTIONING**.

- ▶ Visible from any oncoming direction
- ▶ OptiCURB-markers are tempered for safety with mechanical properties harder than steel
- ▶ OptiCURB-markers reinforce the presence of curbs and straightaways for approaching motorists regardless of their entrance direction.
- ▶ Cutting edge maintenance free optical curb markers with Total Light Functioning, designed to illuminate raised curbing permanently.

Compact, 2 square inches

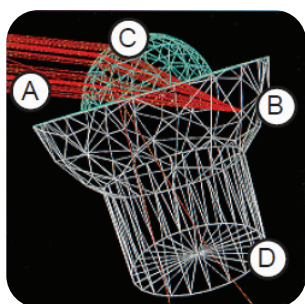
OptiCURB'S compact size allows installation in less than 2 minutes when utilizing a 2" core drill. OptiCURB is equipped with a special rubber housing with anchor lip eliminating the need for adhesives.





OptiCURB toughened glass curb markers have been exclusively developed to illuminate and outline all types of concrete and stone curbing. OptiCURB markers are visible from any oncoming direction identifying the presence of rotaries, curbs and straightaways for approaching motorists regardless of their oncoming direction of travel. Available in white, red, green and blue.

OPTICAL REFLEX FUNCTION



Omni-Reactional reflex is based on four main elements:

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

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).

The FOOT (d) supports the mirror projection lens and acts as an anchor support. This new reflex technology provides the driver with a precise and efficient light signal, even under wet conditions.



FEATURES



- ▶ OptiCURB's 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
- ▶ No adhesive required
- ▶ Can be installed on angled curbs up to 40°



OPTICURB

MECHANICAL PROPERTIES

OptiCURB-Curb reflective curb markers are constructed from toughened high quality hardened glass, a material that is harder than steel offering exceptional scratching and abrasion resistance in comparison to plastic road studs.



20 Tons compression on 1/4" steel plate



INSTALLATION PROCEDURES

Installations are performed using electric and or hydraulic core-drilling machines and bits, preferably with Diamond tip cutters or by grinding directly to the surface. To ensure quick and efficient installations, US Reflector recommends 2 types of core bits depending on the material being drilled.

Core rig seated on universal coring rig platform. Rig platform adapts to most any irregular surface.

Aluminum Platform Part No. 2A-USR-PLAT-1



CORING BITS

Core drill bits provide a clean cut cavity allowing the Opticurb marker to be correctly seated.

SPL Bit:

Standard diamond core bit
Concrete and Asphalt



SPX Bit:

Hi strength diamond core bit.
Use on granite, stone and hardened concrete typically with river stone.



For large installations, SPX bits have diamond exchange crowns allowing quick swap out of worn bits

SPECIFICATIONS

| CHARACTERISTICS | |
|---------------------|-----------------|
| Weight | 6.2 oz. |
| Height/ width | 1.9 x 1.9 |
| Material | Tempered glass |
| Mechanical Strength | >15 Tons |
| Removal force | 110 lbs |
| Installation | Mechanical |
| Optical principle | Reflector |
| Reflection type | Omni-reactional |

For any questions regarding OptiCURB markers or installation manuals, please contact US Reflector

OptiCURB Curb Markers

| Item numbers | Colors |
|--------------|--------|
| 2A-300-GC-W | White |
| 2A-300-GC-R | Red |
| 2A-300-GC-G | Green |

INSTALLATION MATERIALS

| Item numbers | Description |
|-----------------|--------------------------------------|
| 2A-USR-PLAT-1 | Universal aluminum platform |
| 2A-HCB-SPL-2-12 | 2" x 12" core bit |
| 2A-HCB-SPX-2-12 | 2" x 12" core bit (replaceable Tips) |
| Connection type | Specify brand & model for adapter |