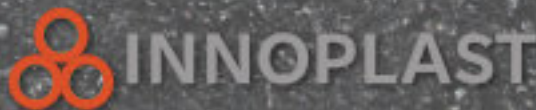


Traffic Safety
**PRODUCT
CATALOG**



ABOUT US

Located in Garfield Heights, OH, Innoplast was founded in 2005. Innoplast is a manufacturer and value-added distributor of pedestrian and traffic safety solutions. ScaleCo acquired Innoplast in April 2021, which is comprised of three brands: Innoplast, American Sign Products, and its associated brand, American Reflective Products, and Thermoprene.

Acquired by Innoplast in 2024, Shur-Tite, which specializes in designing, manufacturing, and distributing highway safety, pedestrian safety, and traffic safety products, has a rich history of partnering with all constituents involved in state and municipal roadway safety, consistently delivering best-in-class products and customer service. Based in Gainesville, TX, Shur-Tite offers a broad portfolio of high-performance safety solutions to customers across the United States and five countries worldwide.

About Shur-Tite

Founded in 2000, SHUR-TITE® Products Company manufactures highway safety products for use on the modern highway system under the brand names SHUR-TITE®, SHUR-FLEX®, SHUR-CURB®, and U-FLEX®. Plastic innovation and labor-sensitive design are paramount to the production of environmentally friendly products. They offer a product line that includes delineators, channelizers, pedestrian and bike safety, object markers, traffic separator curbs, and mailbox support assemblies.

About Innoplast

Founded in 2005 and located in Garfield Heights, OH, Innoplast Holdings is a leading manufacturer and value-added distributor of pedestrian and traffic safety solutions. BollardGard®, a plastic bollard cover, is one of Innoplast's most innovative products. Additional offerings include specialty vinyl, adhesives, and conspicuity & reflective tapes used by signage, vehicle, and safety manufacturers.

About American Sign Products

An industry leading distributor since 1988, ASP features a multitude of products from leaders in the industry such as 3M, Avery, Arlon, Mactac, General Formulations, American BiltRite, and Orafol. In addition to the standard reflective, opaque, and translucent offerings from all major manufacturers, you can look to ASP to provide specialty products such as Adhesives, VHB tapes, and Architectural Films. ASP offers custom slitting and sheeting to help simplify your converting and finishing process.



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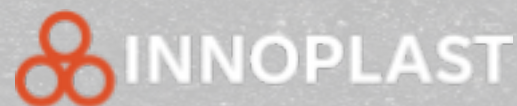
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SHUR-TITE® PRODUCTS

Shur-Flex® Driveable Delineator

- Industry leading 3-component design
- Easy replacement
- Self-righting system
- Uses impact resistant Shur-Flex® joint
- Anchor 2" square tubing
- NTPEP tested, MUTCD compliant
- MASH certified

Post available in: Black, Blue, Brown, Gray, Green, Orange, Red, White, Yellow
 Sheeting available in: Blue, Green, Red, Orange, White, Yellow

The **Shur-Flex® Driveable Delineator** incorporates a 3-component design; a post, Shur-Flex® Joint and square tube anchor, which allows for replacement of any individual component. This design feature allows you to keep a limited inventory since the post is typically the part that will need replacement after multiple impacts and can be changed out in less than a minute. The system will give many years of worry-free performance with its durability and extended field life attributes. This product is a must use for the cost-conscious as it increases safety due to the limited maintenance required for it to remain in place for years to come.



- Includes premium UV protection
- Manufactured with recycled material
- Post sizes range from 18" to 72"

Snow Plow Hit



Crash Test



BUILT FOR THE ROAD.

Shur-Flex® Surface Mount

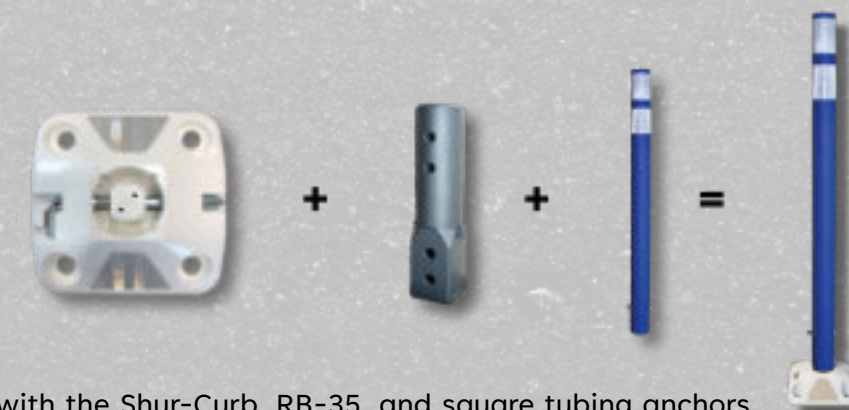
- Utilizes patented Shur-Flex® system - 3 component design
- Non-mechanical flexible design; self-righting upon impact
- Premium UV for steadfast color
- Simple installation process; anchors or epoxy
- EZ change outs
- Multiple base & post options*
- Custom panel additions
- NTPEP tested, MUTCD compliant
- MASH certified

Post available in: Black, Brown, Gray, Green, Orange, Red, White, Yellow
 Base available in: Black, Green, Orange, White, Yellow



The **Shur-Flex® Surface Mount** delineator is our most versatile system offering three bases to fit any situation on the road way. Each post can be installed with our patented Shur-Flex® square to round joint creating a post that will rebound instantly after impact. This design ensures a long life cycle with reduction in maintenance costs.

- 360° sheeting reflectivity
- Optional base reflectivity
- Most versatile system on the market
- Extended life cycle
- Limited exposure to traffic
- Durable & economical - maintenance cost savings



* The Shur-Flex® system also works with the Shur-Curb, RB-35, and square tubing anchors.

U-Flex[®] Surface Mount

- 3" round post designed for increased target value
- Increase roadway safety and reduce time in traffic
- High-speed impact design results in quick post recovery
- 360° flexibility & reflectivity
- Premium UV for an extended life cycle
- Install with epoxy or anchor bolts
- Exposure to traffic greatly minimized
- Quick release for easy maintenance

Post available in: Black, Green, Orange, White, Yellow
 Base available in: Black, Green, Orange, White, Yellow



Shur-Tite's U-Flex post is the markets' most durable, flexible post designed to reduce your exposure to traffic. Beginning at installation and continuing with extended maintenance cycles, the U-Flex post withstands more impacts, both bumper and tire, than any other high-performance post on the market today resulting in low maintenance costs and less time in traffic.



U-Flex[®] Flush Mount

- 3" round post designed for increased target value
- Molded urethane post for consistent durability
- New design allows the post to be flush with surface
- Can be easily removed & replaced for traffic diversion or special events
- Non-mechanical design for extended life cycle
- 2" diameter core hole in asphalt or concrete
- Anchor installs fast and easy with epoxy
- Ability to increase anchor length for deeper embedment
- Simple one bolt method for replacing post
- Replace a post or base independent of the other

Post available in: Black, Green, Orange, White, Yellow



U-Flex Certifications

- AASHTO NTPEP TTCD-2020-01-001
- NTPEP 200 impact test at 70 MPH
- 200 impacts with zero failures
- Highest average bumper hits of any 3" post
- MUTCD compliant
- MASH certified

U-Flex Applications

- Managed Lanes
- HOV & HOT Lanes
- Toll Plazas
- Airports
- Medians
- Work Zones
- Bike Lanes
- Parking Lots



SHUR-CURB® Traffic Separator

Shur-Flex® System

- Industry-leading 3-component design
- No end caps required
- Quick post replacement independent of base
- Includes premium UV for steadfast color
- Easily secured with anchor bolts
- MASH accepted WZ-417
- Post heights 18"-48"
- Highly reflective base & post; sheeting customizable

Available in: Black, Blue, Brown, Gray, Green, Orange, Orange, White, Yellow



Shur-Curb® Traffic Separator is the industry leader after completing multiple field tests versus our competition. The **Shur-Curb®** has proven to be the most economical choice for channelizing challenging locations across the country. Our competitive pricing, reduced maintenance required and the safety of knowing a post can be changed out in less than a minute, puts us ahead of the competition. Easily install with no special tools or end caps required. The clean, crisp and rugged look of this product will encourage motor vehicles to stay in their lane.



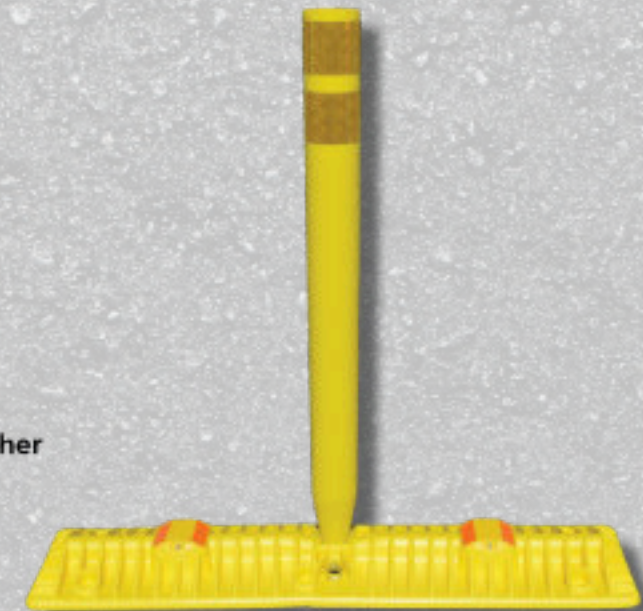
Crash Test



U-Flex® System

- 3" round post with 2-component design
- Designed to reduce time in traffic
- Premium UV for long-lasting color
- No end caps required
- Easily installed with anchor bolts
- Quick release post for easy maintenance
- Withstands more bumper & tire impacts than any other traffic curb system
- Optimal reflectivity of base & post
- Post heights 18"-36"

Available in: Black, Green, Orange, White, Yellow



MASH Certifications

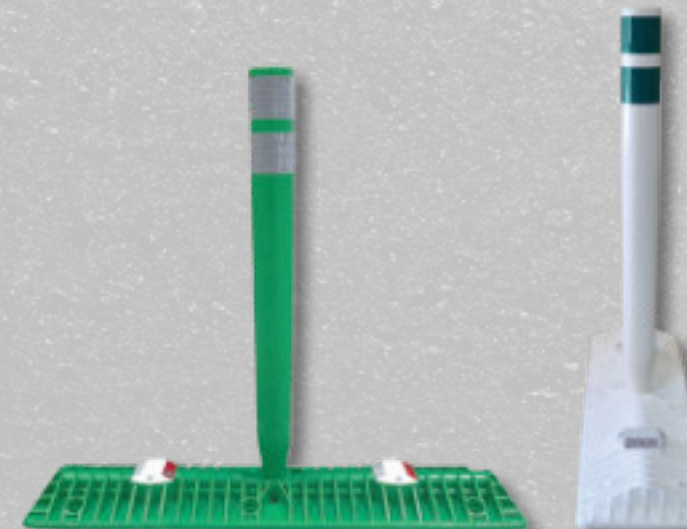
AASHTO MASH criteria

Shur-Curb Traffic Separator
Work Zone Longitudinal Channelizer
MASH Test Level 3 (TL3)
Texas A&M Transportation Institute
August 3, 2020

Shur-Curb Applications

- Accelerated lanes
- Toll plazas
- Turn restriction
- Bike lane protection
- Construction lane separation

**BUILT
FOR THE
ROAD.**



Work Zone Solutions

RE-FLEX Surface Mount Delineator

- General purpose posts ideal for work zones, parking lots & high-traffic areas
- Simple installation process install with anchor bolts & epoxy
- Round post or flattened with 360° reflectivity for high daytime & nighttime visibility
- Flexible design that delineates upon impact & returns to the vertical position with multiple hits
- UV protection for long-lasting color



THE RE-FLEX



Work zone protection that limits exposure to traffic

- Durable & economical
- Highly adaptable system
- Maintenance cost savings
- Extended life cycle

RE-FLEX Driveable Delineator

- General purpose posts ideal for work zones, parking lots & high-traffic areas
- Simple installation process with square tubing anchor into natural ground
- Round or flattened post with 360° reflectivity for high daytime & nighttime visibility
- Flexible design that delineates upon impact & returns to the vertical position with multiple hits
- UV protection for long-lasting color



Post available in: Orange, White, Yellow
 Base available in: Black surface mount or driveable square tubing

W6-4 Two-Way Traffic Marker

- Used as a center lane divider to separate opposing vehicular traffic on a two-lane, two-way operation.
- Compatible with fixed or portable rubber base for temporary application
- Self-righting upon impact
- Flexible design to withstands multiple impacts
- High intensity prismatic sheeting
- MUTCD compliant



W1-8 Chevron Marker

- Provides emphasis & guidance for changes in direction along roadways
- Compatible with fixed or portable rubber base for temporary applications
- High-intensity prismatic sheeting
- Flexible design to withstand multiple impacts
- Right or left sheeting options available



Type III Object Markers

- Used to mark obstructions adjacent to the roadway
- Deploys rapidly & easily repositioned
- Quick & easy to install & replace any component with just one pin
- Panels can be single or double-sided
- Multiple sheeting options available: OM3-L, OM3-R, OM3-C
- DOT tested, MUTCD compliant



Bike Lane Safety

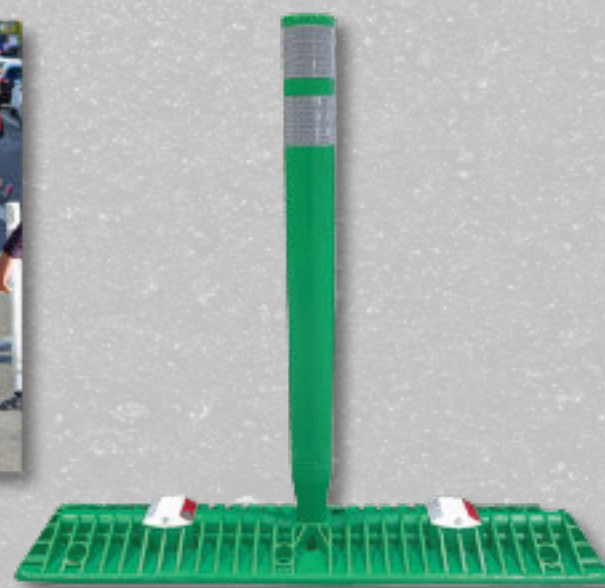
Shur-Flex®, U-Flex®, or U-Flex® System

- Multiple base and post options available to fit your exact needs
- Optional reflectivity on post & base
- Simple installation process- secure with anchor bolts or epoxy
- Non-mechanical flexible design that returns to vertical position after impact
- Quick-release for quick & easy post replacement
- Premium UV to fight fading



Improve Cyclist & Pedestrian Safety

- 360° reflectivity
- Highly visible reflective for daytime or nighttime
- Most versatile system on the market
- Durable & economical system with long life cycle
- Reduced maintenance costs



Shur-Flex® In-Street Crosswalk Sign

- Highly visible, self-righting crosswalk signs
- Flexible design that is self-righting upon impact
- Spread your message with single or double-sided
- Easy maintenance, replace only damaged components
- Numerous panel designs & messages available
- Multiple base options for temporary or permanent installation
- Use impact resistant Shur-Flex joint for long service life



BM-36 Signs & Markers

- Increases pedestrian safety in schools, crosswalks & roadways
- 12" x 36" inlaid sheeting for longevity & service life
- Delineates when hit
- Lightweight & simplified design with no unnecessary bolts to attach panels to posts
- Simple installation process & easy change outs
- Meets MUTCD specifications
- Multiple base options for temporary or permanent installation
- Black or white panel available
- Multiple sheeting options



Hazard Markers

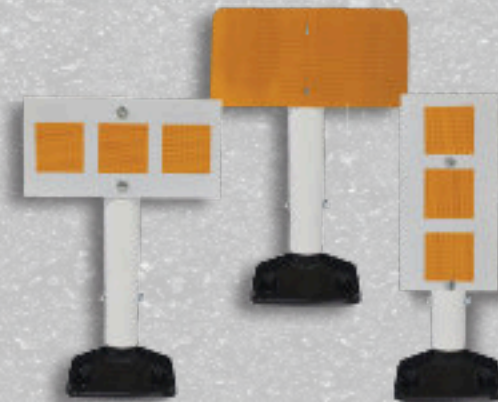
Type III Object Marker

- Alerts motorists of roadside adjacent obstructions
- 360° flexibility - self righting design returns post to vertical position when hit
- Sheeting available in OM3 Left, OM3 Center & OM3 Right
- White or black panel available with multiple base options
- Available in 8" x 24", 10" x 24", or 12" x 36"



Type II Object Marker

- Warn drivers of obstructions on roadways
- Used on median, raised curbs or island
- Retroreflective sheeting for high visibility
- Utilizes the Shur-Flex system



Chevron Panels

- Used to warn drivers of hazards on the road that may not be readily apparent
- Guide drivers around sharp turns or changes in the roadway
- Simple installation process
- Fixed base, ground mount anchor or portable base options
- White or black panels available



Cup Mount Delineators

- Increase concrete traffic barrier visibility
- Resistant to snow thrown from snow plows
- Allows for 9" - 12" of sheeting per side
- Fully customizable sheeting options
- Meets MUTCD standards, MASH certified
- UV stable for long-lasting color
- 5" round base x 8" tall delineator

Available in: Black, Brown, Green, White, Yellow



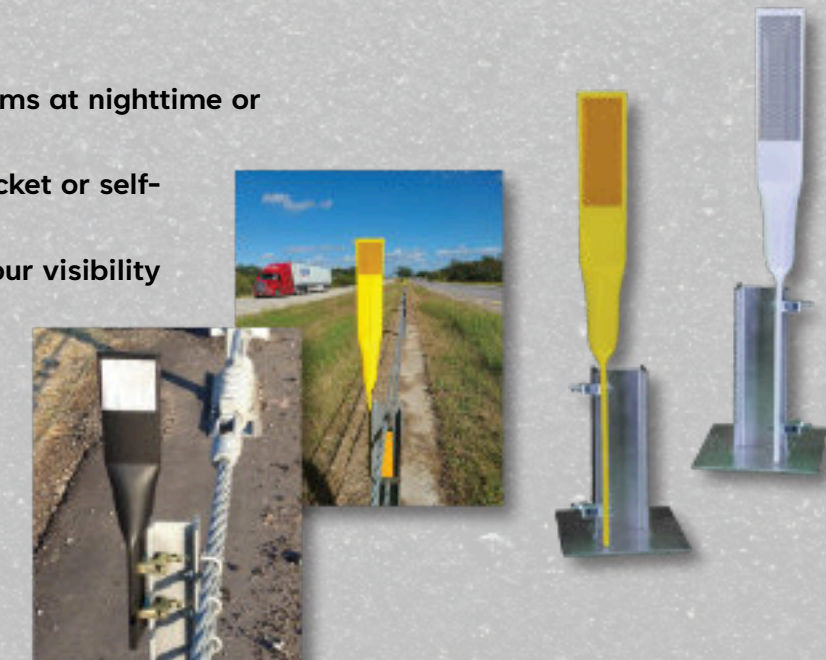
Guardrail Delineators

- Increase guardrail visibility
- Easily mounts to wood, steel or synthetic guardrail posts
- High visibility with up to 36" of retroreflective sheeting
- Premium UV for steadfast color and long life cycle
- Multiple sheeting options available
- 19" to 33" available



Cable Barrier Delineators

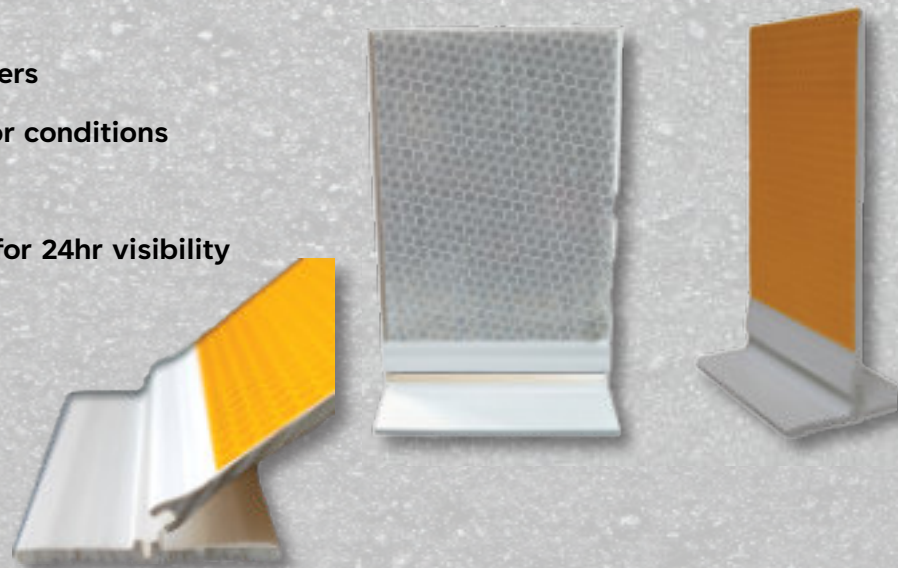
- Increase visibility of cable barrier systems at nighttime or in low visibility conditions
- Mounts easily to posts with flange-bracket or self-tapping screws
- 36" of retroreflective sheeting for 24-hour visibility
- UV protection for long service life
- Manufactured from recycled material
- Maintains visibility at a distance
- Easily installs to cable barrier systems



TD Series

BFT-12

- Ideal for delineating concrete barriers
- Provides guidance to drivers in poor conditions
- Flexible urethane hinge
- Single or double-sided reflectivity for 24hr visibility
- UV protection for long life cycle
- MASH certified
- Fast & easy installation

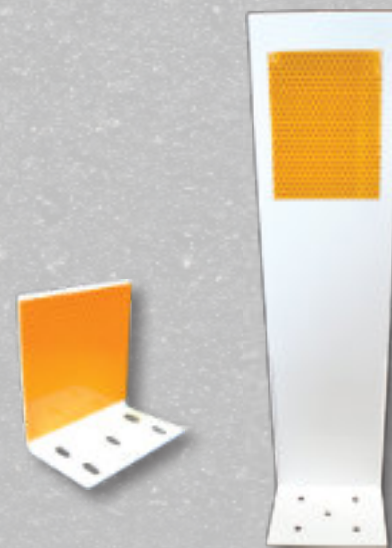


Improve visibility in work zones

- Multiple sheeting colors & grades available
- Up to 45" of reflectivity
- Designed installation with Surebond SB-12 adhesive or mounting bolts
- Durable construction to withstand harsh conditions

CTB-3 & CTB-16

- Provides clear and visible guidance to enhance road safety
- Concrete traffic barrier marker
- White or yellow high reflective sheeting available
- Pre-drilled holes for safe & secure installation
- Maintains visibility at a distance



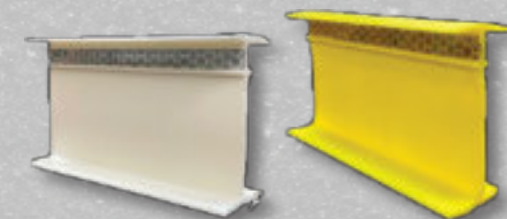
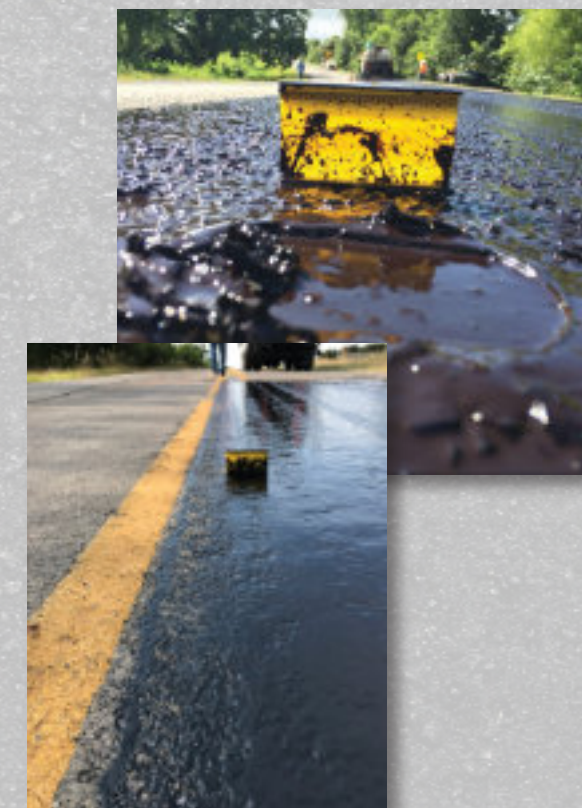
GF-1 & GF-2

- Guardrail mount reflectors are designed to increase visibility of a guardrail
- Made from impact resistant composite material
- Ideal for placement on steel guardrail channels
- Single or double-sided sheeting
- Quick & easy installation
- MASH certified
- GF-1: 11.5 square inches of reflectivity
- GF-2: Up to 3" x 12" reflectivity



T-Tab Temporary Overlay Markers

- Eliminates the need for a clear plastic cover
- Reduces walking trips in active work zones
- Lighter & easier to carry packaging for installation
- Saves time & money
- Reduce time spent in work zones
- Reduce accident & injuries



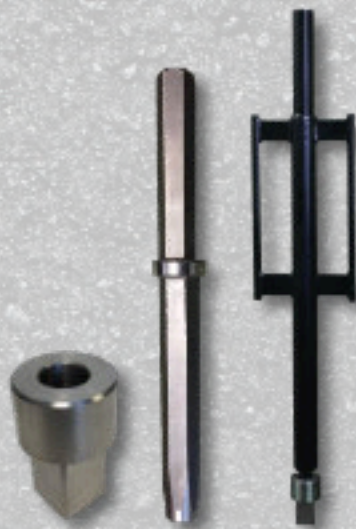
Tools

Driver Head & Shank

- Driver head accepts most shanks
- 1-1/8" x 14" hex shank
- Shank fits most breaker hammers
- Works with driveable post

Manual Slide Hammer

- Powder-coated finish
- Machined in the USA



Anchor Bolts & Adhesives

Fixed Base Anchor Bolt

- 1/2" anchor bolt
- Proven nylon plus for asphalt & concrete
- Easily installed in minutes drilling 5/8" holes
- Works on all Shur-Tite bases



E-bond 1240-1241 Marker Adhesive

- Permanent adhesive for fixed bases
- Fast setting, provided high early strength
- Easy mix ratio 1:1, A:B



Bundy Pad Adhesive

- Adhesive pad for fixed bases
- Clean, heat & press installation method
- Compatible with asphalt & concrete
- Recommended for the 7x7 base only



7601 Butyl Pad

- Temporary adhesive pad for tubular markers
- Peel & stick application
- Recommended for temporary use



ISO CERTIFICATION

Shur-Tite Products is proud to announce that we have earned ISO 9001:2015 certification. We have developed and implemented our quality management system in order to improve the overall performance, maintain a consistent level of quality, utilizing a sound basis for sustainable development initiatives backed by strong customer service.

The ISO 9001 certification and our quality management system require Shur-Tite Products to have robust, clearly defined procedures in place for all our business processes such as Customer Feedback, R&D, Production, Supply Chain Management, Risk Management and strong business continuity.

Our decision to work towards ISO 9001 accreditation demonstrates the commitment to customer satisfaction, continuous improvement, cost-effective products and services for our customers. Our certification will assist us in ongoing investment in new products and development by converting customer feedback into project tasks for our R&D team.

INNOPLAST



BollardGard® Bollard Covers

Protect and improve the safety of your facility while enhancing the look with **BollardGard** HDPE bollard covers. Never paint over old, rusty bollards again. Bollard covers reduce maintenance costs and eliminate the need for scraping and painting unsightly steel bollards. Innoplast covers are UV stable and guaranteed against cracking and fading for 5 years. With eight stock colors and eight reflective tape options, Innoplast offers hundreds of color combinations for your facility or brand needs. **BollardGard** bollard covers are commonly seen at gas stations, car washes, loading docks, convenience storefronts, parking garages, airports, and other high traffic areas.

Standard Sizes

	52" H	60" H	64" H	72" H
4"	•		•	•
7"	•	•		•
8"				•
11"		•		
13"		•		

All covers can be custom cut to length at no additional charge.

Fits 4" nominal steel pipe, all schedules (4.500" pipe O.D.)

- 4" Diameter (4.700" ID) x 52" H
- 4" Diameter (4.700" ID) x 64" H
- 4" Diameter (4.700" ID) x 72" H

Fits 6" nominal steel pipe, all schedules (6.625" pipe O.D.)

- 7" Diameter (7.125" ID) x 52" H
- 7" Diameter (7.125" ID) x 60" H
- 7" Diameter (7.125" ID) x 72" H

Fits 8" nominal steel pipe, all schedules (8.625" pipe O.D.)

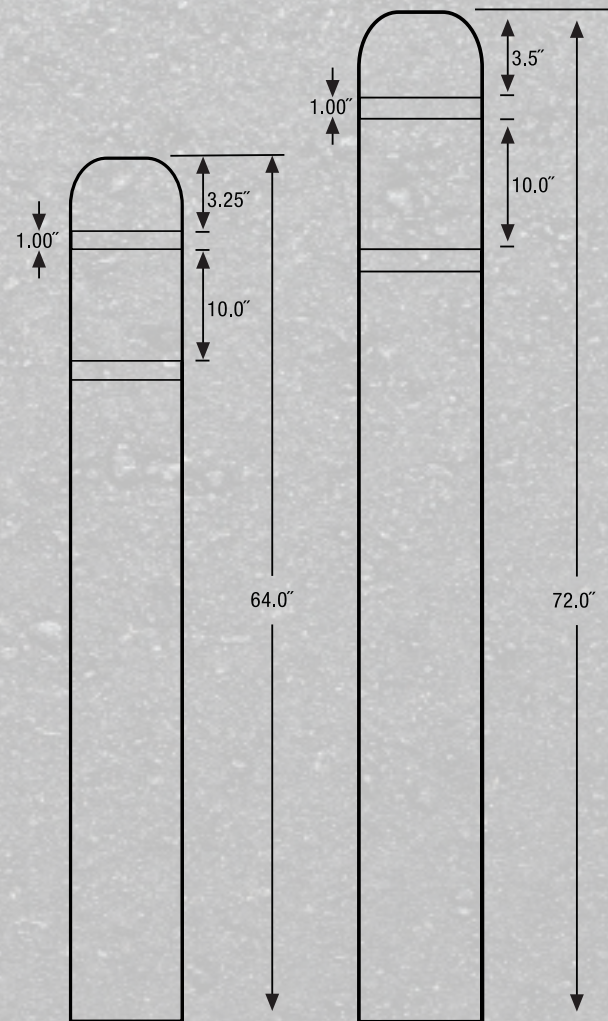
- 8" Diameter (9.125" ID) x 72" H

Fits 10" nominal steel pipe, all schedules (10.75" pipe O.D.)

- 11" Diameter (11.125" ID) x 60" H

Fits 12" nominal steel pipe, all schedules (12.75" pipe O.D.)

- 13" Diameter (13.167" ID) x 60" H



5 YEAR GUARANTEE AGAINST CRACKING & FADING



Black Blue Brown Green Light Gray Red Yellow White



Black Blue Red Yellow Black Gray Granite Tan Granite

HOW TO DETERMINE BOLLARD COVER SIZE?

For the best measurement, take the circumference & divide by 3.14

PIPE OD"	CIRCUMFERENCE	BOLLARDGARD SIZE
Up to 4.5"	14.13"	4" (4.7" ID) BollardGard
Over 4.5" up to 6.625"	20.8"	7" (7.125" ID) BollardGard
Over 6.625" up to 8.625"	27.08"	8" (9.125" ID) BollardGard
Over 8.625" up to 10.75"	33.76"	11" (11.125" ID) BollardGard
Over 10.75" up to 12.75"	40.04"	13" (13.125" ID) BollardGard

BollardGard Bollard Covers

Reflective BollardGard® Bollard Covers

- Enhance & protect the appearance of steel bollards in all indoor & outdoor applications
- Two 1" recessed reflective tape bands for high visibility
- 3M 5100 Scotchlite reflective film for durability & long service life
- 5-year warranty against cracking & fading
- GripperTabs included for quick & easy installation



Cover available in: Black, Blue, Brown, Green, Light Gray, Red, White, Yellow
 Reflective tape available in: Black, Blue, Green, Red, Orange, White, Yellow



Specifications

- Available in 4", 7", 8", 11", & 13" diameters
- 8 color options; custom colors available
- Heights from 52" to 72"
- Custom lengths available; no cutting charges
- Made with .125" thick high density polyethylene



Round Top BollardGard® Bollard Covers

- Enhance & protect the appearance of steel bollards in all indoor & outdoor applications
- Available in 4", 7", & 8' diameters
- Heights from 52" to 72"
- Custom lengths available; no cutting charges
- Made from high-quality HDPE
- GripperTabs included for quick & easy installation



Cover available in: Black, Blue, Red, Yellow

Square BollardGard® Bollard Covers

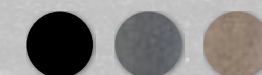
- Provide an elevated look at affordable price
- 6.5"ID x 60" H square bollard cover with peaked top
- Multiple color options; custom colors available
- Custom lengths available; no cutting charges
- Made from high-quality HDPE
- Foam included for quick & easy installation



Cover available in: Black, Blue, Red, Yellow
 Reflective tape available in: Black, Blue, Green, Red, Orange, Yellow, White

Decorative BollardGard® Bollard Covers

- Provide architectural elegance at a more affordable price than cast iron or custom bollards
- Available in 7", 8", & 11" diameters
- Heights up to 65"
- 3 stock color options; custom colors available
- Foam included for quick & easy installation



Cover available in: Black, Charcoal Granite, Tan Granite



STEP 1



STEP 2



Rubber Parking Blocks

- 6' rubber parking block
- Honeycombed bottom that easily conforms to uneven asphalt or concrete surfaces
- Can easily be handled by hand, rather than machine
- Pre-drilled holes for simple installation
- Molded reflective stripes for increased visibility
- Ideal alternative to concrete



Lower Parking Lot Maintenance Costs with Innoplast Parking Blocks

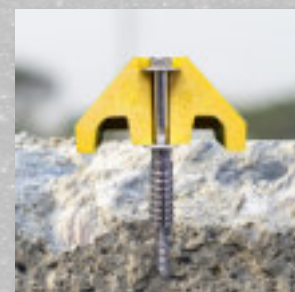
Parking blocks are used to let drivers know they cannot pull any further into a parking space. This helps reduce damage to curbs and other vehicles in the parking lot. Our parking blocks are available in plastic or rubber in a variety of colors and lengths.



Plastic Parking Blocks

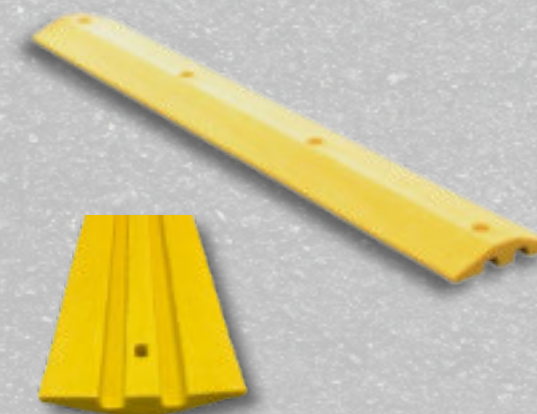
- Superior strength & durability at 20% the weight of conventional concrete blocks
- Chemical & weather resistant
- Made with low density polyethylene, 100%v recycled plastic
- Pre-drilled holes for easy installation
- 5 stock color options
- Installation hardware included
- Multiple size options available

Available in: Blue, Charcoal Gray, Gray, White, Yellow



Rubber Speed Bumps

- 6' rubber parking block
- Reduces speed of traffic on your property while improving safety for pedestrians & other motorists
- Conforms to uneven asphalt or concrete surfaces
- Two 1" channels for cable/hose protection
- Pre-drilled holes for easy installation
- Molded reflective stripe for increased visibility
- Reflective cat-eyes for night time visibility



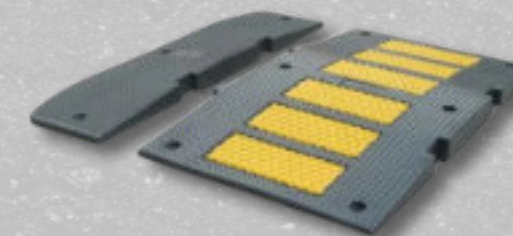
Plastic Speed Bumps

- 4' to 12' lengths available
- Reduces speed of traffic on your property while improving safety for pedestrians & other motorists
- Chemical & weather resistant
- Made with low density polyethylene, 100% recycled plastic
- Two 1" channels for cable/hose protection
- Pre-drilled holes for easy installation
- Installation hardware included



Rubber Speed Humps

- Reduce the speed of traffic in high traffic or industrial areas
- Flexible design conforms to road surface
- 20-ton capacity for heavy trucks & emergency vehicles
- Easy to install & remove for snow removal, paving, seal coating or change of location
- Black with yellow molded rubber
- Made of 100% recycled rubber

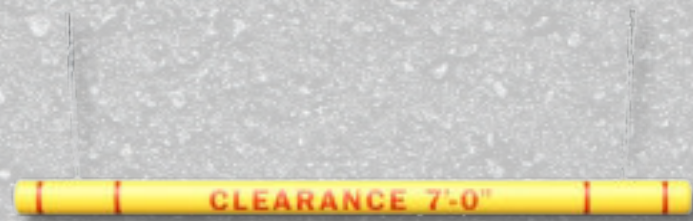


ClearanceGard® Clearance Bars

- Warn drivers of low clearance heights
- Available in 4.95" OD & 7.135" OD
- Available in 8 colors
- Four reflective tape bands for increased visibility
- Quick and easy installation
- Made from high density polyethylene
- Custom lettering available; sold separately
- Hardware kit sold separately



Available in: Black, Blue, Brown, Green, Light Gray, Red, White, Yellow
 Reflective tape available in: Black, Blue, Green, Red, Orange, White, Yellow



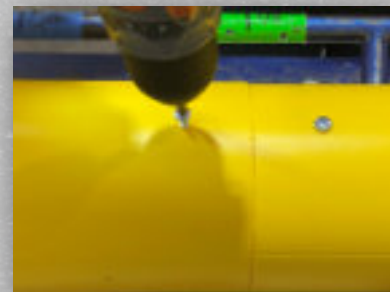
Overhead ClearanceGard clearance bars effectively warn drivers against accidental collisions in warehouses, parking garages, car washes, drive-thru locations and other low clearance applications.



STEP 1



STEP 2



AFTER

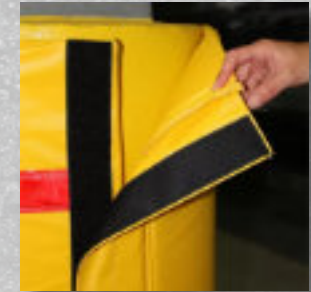


Padded Column Wraps

- Available in black or yellow to suit various environments
- Features two 2" high visibility reflective bands in red or white
- Increased safety in pedestrian & vehicular areas
- Made with 10oz reinforced rip-stop nylon with ½" thick foam core
- Waterproof, fade resistant & mold/mildew proof
- Ideal for parking garages, gas stations & warehouses to protect against minor impacts & improve visibility



Available in: Black, Yellow



Padded Gate Guards

- Available in black, white or yellow
- Features two 2" high visibility reflective bands in red or white
- Made with 10oz reinforced rip-stop nylon with ½" thick foam core
- Waterproof, fade resistant & mold/mildew proof



Available in: Black, White, Yellow



Padded Bollard Covers

- Available in black or yellow
- 2" high visibility reflective band in red or white
- Fits up to 7" x 40"H diameter bollard post
- Waterproof, fade resistant & mold/mildew proof



Available in: Black, Yellow



Flexible Bollards

- BollardGard bollard cover that delineates from 360° when hit
- Eliminates replacement costs & damages to parking lot surfaces
- Steel post underneath for added strength; can be anchored to concrete, asphalt or natural ground
- Two 1" reflective bands for increased visibility
- Available with or without sign post
- Installs in minutes; mounting hardware included



Cover available in: Black, Blue, Brown, Green, Light Gray, Red, White, Yellow
 Reflective tape available in: Black, Blue, Green, Red, Orange, White, Yellow



GorillaPost Flexible Bollards

- Perfect for installation where pedestrian walkways intersect vehicular roadways or emergency access points
- Temporarily folds on impact
- Safe for post-tensioned concrete floors
- Magnetic post can be temporarily removed from the ADA-compliant base
- Permanent installation available



Cover available in: Black, Blue, Brown, Green, Light Gray, Red, White, Yellow
 Reflective tape available in: Black, Blue, Green, Red, Orange, White, Yellow



BollardGard® Anywhere

- Great for temporary situations where easy transport is needed
- Available in 4" or 7" bollard cover
- 25lb heavy duty rubber base for temporary applications
- Easily disassembled for transport

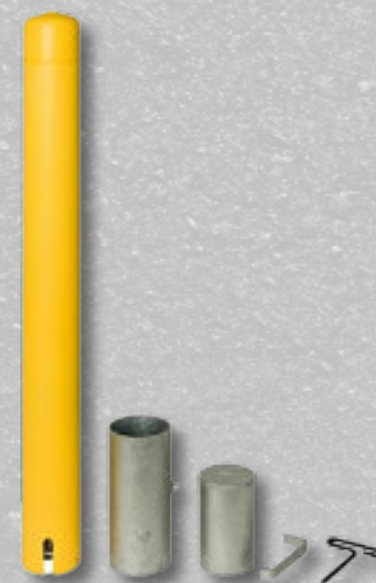
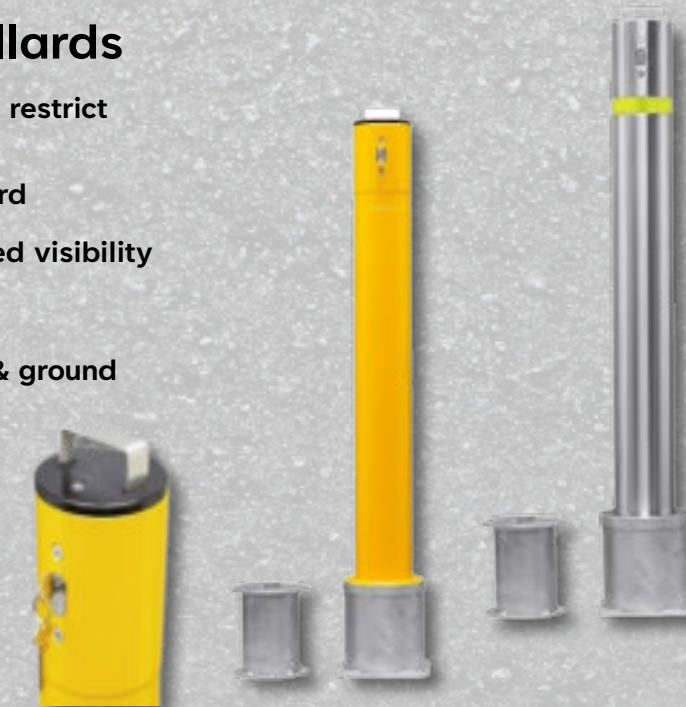


Cover available in: Black, Blue, Brown, Green, Light Gray, Red, White, Yellow
 Reflective tape available in: Black, Blue, Green, Red, Orange, White, Yellow



Stainless Steel Removable Bollards

- Great for high traffic areas where you want to restrict traffic access but permit pedestrian traffic
- 4.5" x 35.625"H locking removable steel bollard
- One recessed reflective tape band for increased visibility
- High resistance to corrosion & weathering
- Includes post, underground components, key & ground cover
- Available in powder-coated or satin finish



Helix Lock Removable Bollards

- A light-duty vehicle deterrent built to enforce traffic control
- 4.5" x 36"H high-density polyethylene
- Designed to withstand vehicle impacts & minimize vehicular damage
- Hidden locking system & clean look
- Maintenance-free
- Shatter resistant

Locking Deter-A-Post

- A light-duty vehicle deterrent built to enforce traffic control
- 4.5" x 36"H high-density polyethylene
- Designed to withstand multiple vehicle impacts & minimize vehicular damage
- Internal locking sleeve adds additional strength
- Maintenance-free
- Shatter resistant



Steel Pipe Bollards

- Ideal for sign posts, fence posts, dock piles, pipe pilings, bollards & other construction applications
- Manufactured from high-quality steel
- Available in 4-1/2" & 65/8" OD x 7' long; custom sizes available
- Schedule 40, .237" wall thickness
- Primed finish, secondary steel pipe
- Pairs with 4" or 7" bollard covers



U-Shaped Pipe Guard

- Significantly enhance the safety of storefronts, gas station islands and buildings from traffic collisions
- Heavy-duty steel pipe guards
- Available in 3-1/2" x 4" OD, various widths & heights
- Schedule 40 steel
- Primed finish allows for easy customization with paint for specific aesthetic or functional needs



Surface Mount Steel Bollards

- Ideal for sign posts, fence posts, dock piles, pipe pilings, bollards & other construction applications
- Available in 4-1/2" & 65/8" OD x 4' long
- 10" x 10" steel base plate with 4 holes for easy installation
- No digging or burial necessary
- Schedule 40, .237" wall thickness
- Primed finish, carbon steel
- Pairs with 4" or 7" bollard covers



Stainless Steel U-Shaped Pipe Guard

- Can withstand heavy impacts, making them perfect for protecting property, pedestrians & infrastructure
- 3.-1/2" OD, various widths & heights
- Grade 304 stainless steel, .214" wall thickness
- #4 brushed finish
- High resistance to weather & chemical corrosion
- Sleek, modern appearance for visual appeal in urban environments, commercial spaces & high-end properties
- Minimal maintenance & long service life



Stainless Steel Fixed Bollards

- Provides a permanent barrier to protect storefronts, pedestrians & commercial spaces from oncoming vehicles
- Available in 4-1/2" & 6-5/8" OD x 35" long above grade; 7.875" below grade
- Recessed tape reveal for increased visibility
- 1" round base plate gives post a finished look
- High resistance to corrosion & weathering
- Available in powder-coated or satin finish



PRODUCT	O.D.	"W"	"H"	WEIGHT	MATERIAL	FINISH
US1983-353656	3.5"	36"	56"	70 lbs	schedule 40 steel	primed black
US1983-354153	3.5"	41"	53"	70 lbs	schedule 40 steel	primed black
US1983-354850	3.5"	48"	50"	70 lbs	schedule 40 steel	primed black
US1983-403656	4"	36"	56"	86 lbs	schedule 40 steel	primed black
US1983-404153	4"	41"	53"	86 lbs	schedule 40 steel	primed black
US1983-404354	4"	43"	54"	86 lbs	schedule 40 steel	primed black
US1983-404851	4"	48"	51"	86 lbs	schedule 40 steel	primed black
US1983-404951	4"	49"	51"	86 lbs	schedule 40 steel	primed black
US1983-353656-SS	3.5"	36"	56"	70 lbs	.216" 304 Stainless Steel	#4 polished finish
US1983-354153-SS	3.5"	41"	53"	70 lbs	.216" 304 Stainless Steel	#4 polished finish
US1983-354850-SS	3.5"	48"	50"	70 lbs	.216" 304 Stainless Steel	#4 polished finish

American Sign Products

3M Reflective Tape & Sheeting

3M Diamond Grade Conspicuity Markings Series 983

- DOT certified and exceeds NHTSA requirements
- Vivid colors with bright white ensures maximum reflectivity and superior daytime color
- Durable and resistant to weather, dirt, and aging
- Pre-sealed edges and non-corroding
- 7-years non-prorated warranty

Available In: White, Red, Yellow, Fluorescent Yellow HRA, Fluorescent Yellow Green, Red 11"/White 7" Alternating, Red 6"/White 6" Alternating

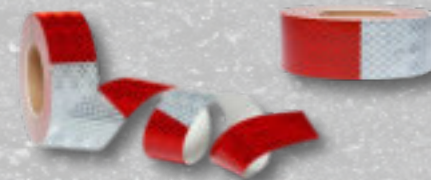
3M Flexible Prismatic Conspicuity Tape Series 913

- DOT certified and exceeds NHTSA requirements
- UV durable
- Can be applied in temperatures as low as 35° F
- 5-year warranty

Available In: White, Red, Red 11"/White 7" Alternating, Red 6"/White 6" Alternating

3M Reflective Gate Arm Markings GA1616

- Exceeds NHTSA requirements and meets ASTM D4956 performance specifications
- Accommodates low temperature application
- Easy-to-remove liner
- 5-year warranty



3M Reflective Tape & Sheeting

3M Flexible Prismatic Reflective Sheeting Series 3300

- Exceeds reflectivity values of ASTM Type III
- Flexible and versatile for work zone safety
- Conforms to virtually any curved surface for a flexible solution
- Pressure-sensitive adhesive for easy application

Available In: White, Yellow, Red, Orange, 4" Orange/White Stripe, 4" Red/White Stripe, 6" Orange/White Stripe, 6" Red/White Stripe



3M Engineer Grade Prismatic Reflective Sheeting Series 3430

- Exceeds ASTM D4965 Type I specification
- Non metalized, microprismatic lens
- Better visibility brightness than beaded engineer grade sheeting
- For commercial and noncritical traffic control signs
- 7-year performance life

Available In: White, Yellow, Green



3M Diamond Grade Flexible Work Zone Sheeting Series 3910

- Exceeds ASTM D4965 Type IV specification
- Highly reflective, wide-angle, prismatic lens sheeting
- Durable, flexible, and impact resistant
- Long-lasting fluorescent color and brightness with 24 hour visibility

Available In: White, Fluorescent Yellow, Fluorescent Orange



3M Fluorescent Orange Prismatic Work Zone Sheeting Series 3924S

- Meets ASTM D4956 Type VIII and ASTM D4956-07 Type VII, VIII and X
- Prismatic lens sheeting in a transparent resin, sealed
- Impact and gauge resistant
- For production of highly visible work zone signs
- Pressure-sensitive adhesive

Available In: Fluorescent Orange



3M Reflective Tape & Sheeting

3M High Intensity Prismatic Reflective Sheeting Series 3930

- Exceeds ASTM D4956 Type III and IV specifications
- Tougher topcoat aids against scuffs and scratches
- Excellent choice for FHWA Minimum Retroreflectivity Compliance
- Vivid daytime colors provide 24-hour performance with increased daytime visibility



Available In: White, Red, Yellow, Orange, Green, Blue, Brown

3M High Intensity Prismatic Digital Sheeting 3930DS

- Suitable for traffic sign application with 1170C Clear Overlaminates Film
- Pressure-sensitive adhesive
- Long-term durability and reflectivity
- Meets most common middle grade performance standards
- Performance warranty for up to 10 years



Available In: White

3M Diamond Grade DG³ Prismatic Digital Sheeting 4090DS

- Meets today's highest published performance specifications
- One of the brightest durable sheeting for cost-efficient guidance
- Pressure-sensitive adhesive
- Offers superior reflectivity at short and long distances
- Performance warranty for up to 12 years



Available In: White



3M Printable Films & Overlaminates

3M Scotchlite Reflective Graphic Film Series 5100R

- Meets ASTM D4956 Type I Sheeting & NFPA requirements
- Pressure sensitive adhesive with layflat liner and gray, changeable adhesive
- Retroreflectivity offers superior daytime and nighttime visibility
- Durable product ideally suited for medium or short-term graphics



Available In: White, Red, Ruby Red, Orange, Gold, Yellow, Lemon Yellow, Blue, Light Blue, Green, Black

3M Scotchlite Removable Reflective Graphic Film Series 680CR

- Durable, flexible, enclosed-lens retroreflective film
- Easy installation with Comply performance
- Can be applied to flat surfaces with or without rivets and moderately curved surfaces
- Ideal for commercial vehicle graphics and commercial signage



Available In: White, Red, Ruby Red, Yellow, Lemon Yellow, Gold, Blue, Light Blue, Green, Black

3M Scotchlite Print Wrap Film 780mC-10R

- Highly conformable, repositionable retroreflective film with micro Comply adhesive
- Recommended for use on semi-trucks and trailers, vehicles, and straight trucks
- Suitable for solvent, UV, and latex inkjet printing and screen printing
- Expected performance life of 9 years



Available In: White

3M Scotchlite Reflective Graphic Film IJ680-10

- Retroreflective film provides daytime and nighttime visibility
- Permanent adhesive for vertical, flat surfaces with or without rivets
- Suitable for solvent, latex, inkjet, and UV printing
- Expected performance life of 9 years



Available In: White



3M Overlaminates

3M Premium Protective Overlay Film Series 1160

- Durable, solvent resistant, transparent, fluoropolymer film coated with a transparent pressure sensitive adhesive
- Provided with a paper premask tape lightly adhered to the film to aid in application
- Designed as protective anti-graffiti overlay for use on signs made from 3M sheetings and films
- Performance life guaranteed the same as the 3M sheeting to which it is applied

Available In: Clear



3M ElectroCut Film Series 1170

- Highly durable and transparent to give equal or better retroreflective performance than sheeting screened with transparent inks
- Provides optimal cutting, weeding, lifting, and transfer features
- Solvent-free & energy-efficient
- Performance life guaranteed the same as the 3M sheeting to which it is applied

Available In: Clear, Red, Orange, Yellow, Green, Blue, Brown, Black (Opaque)



Custom Services Available

ASP offers a variety of custom services to ensure our customers get exactly what they need for their project. We are happy to offer free consulting services, film slitting, sheeting, laminating, and premasking.

We also offer low minimum order quantities and a variety of lengths and widths for rolls.



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