ejco.com
Made in USA

Composite Access Solutions
Frames and Covers

Table of Contents

Composite Access Solutions—Frames and Covers

Section	Description	Page
Composites Overview	Introduction	3
	Benefits of Composite Access Solutions	4
	Composite Solutions for Your Application	6
	Advanced Composite Manufacturing	7
	Product Testing and Compliance	8
	Composite Load Ratings	9
DUROSTREET® Access Assembly	Heavy Duty Roadway Applications	10
	Cover Dampener Color Options	13
	Composite Covers with Cast Iron Frames	14
	Customization and Full Color Logos	15
DUROWALK® Access Assembly	Medium Duty Off-Street Applications	17
Additional Products	DUROCOM™ Composite Handhole Assembly	21
	Temporary Safety Covers	22
	Meter Box Frames and Covers	22
	Additional Composite and Fabricated Solutions	23

Now Available
Cover dampeners in color on DUROSTREET covers

Pair your composite cover with a cast iron frame

New full color logos available on DUROSTREET covers

New Improved Design with two wormgear locks

If You Don't See It, Ask Us
Products listed in this catalog are not all inclusive. Visit ejco.com, or contact your EJ Sales Representative, for our full line of products, information, product drawings, and additional support.

Made in the USA
Please contact your Sales Representative for Buy America requirements prior to ordering.

Composite products offer exceptional solutions for the most challenging environments. EJ has developed an advanced solution which offers the highest level of safety, ergonomics, and performance.

The DUROSTREET® access assembly delivers superior strength and durability for heavy duty roadway applications.

The DUROWALK® access assembly is optimized for medium duty performance for off-street applications.

Ergonomics – Safer for Workers
Heavy duty composite assemblies are light enough for one person to easily access the underground infrastructure, yet strong enough for vehicular traffic.

Non-Corrosive
Composite products offer superior performance in harsh environments that can develop in underground infrastructure.

No Signal Interference
Composite manhole covers won't interfere with wireless communication signals typically used in water and sewer metering applications.

Benefits of Composite Access Solutions

Composite products are an exceptional solution for challenging environments. EJ has over 25 years of experience in advanced composite solutions. They deliver superior safety, strength and performance for situations that can be hazardous for pedestrian traffic or worker safety. The following benefits make composite frames and covers the best option for tough applications.

Non-Corrosive
Sewer environments can be highly corrosive. By its inherent nature, composite products will remain unchanged even in the most aggressive environments. This can apply to areas with exposure to sewer, petrochemical, gasoline, diesel, de-icing solutions, and salt water. All steel hardware used in assemblies is grade 316 stainless steel.

A non-corrosive composite manhole frame and cover is the perfect product for areas with high levels of hydrogen sulfide or other corrosive gases.

Corrosion in the Real World
Hydrogen sulfide (H2S) is a highly toxic and flammable gas. It can wreak havoc on metallic and other infrastructure materials. In the picture below, the municipality has been battling the effects throughout its system, including the effects on cast iron manhole frames and covers. H2S attacks the iron structurally through material decomposition, as well as potentially bonding the frame and cover together.

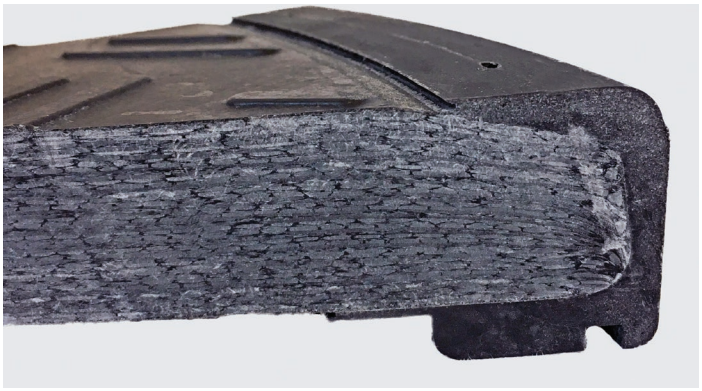
The covers have been replaced every 2-3 years, while the frames have been replaced every 5-7 years. Crews monitor the corrosion every 3 months. Trials have been conducted with various forms of powder coatings and asphaltic dips, but nothing has held up to the hydrogen sulfide gas in the long term.

Thousands of dollars have been attributed toward the maintenance, monitoring, and replacement costs of manhole covers throughout the city.

Composite materials survive in this environment where others crumble. Composite manhole covers have been around for over 25 years, and the advanced production process makes them a perfect solution. Special resins are required for certain chemical applications.

*Color fading may occur in the first two years, but it will not change the structural integrity.

Strength and Durability



Our premium composite products incorporate engineered fabric with glass fiber reinforcement that spans the entire width of the cover. This provides superior strength and product durability over other traditional methods that use only short fibers. Heavy duty covers are tested to AASHTO M 306 (H25) loading requirements for cast iron and are built to withstand 2 million fatigue testing cycles.

Ergonomics

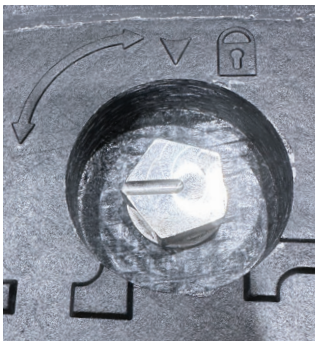
For areas that are frequently accessed, the reduced weight improves the ease of access and overall worker safety. Our heavy duty composite covers are the lightest weight on the market, weighing between 30 lb (22" clear opening) and 112 lb (42" clear opening). Lighter weight versions are also available for off-street applications.

Non-Conductive

Composite products do not conduct electricity, which makes them a safe choice for electrical utilities and municipalities that may have stray voltage concerns. Furthermore, when the product is placed over steam manholes, heat transfer is reduced. This provides additional insulating protection to pedestrians and utility workers.

No Signal Interference

Composite covers are manufactured from advanced fiberglass reinforced thermoset materials that offer little interference with wireless communication signals. This is typically used in applications associated with water and sewer metering automation or electrical switching for smart grid technology. J-hooks can be used to hang antennas.



Theft Deterrent

The scrap value of traditional manhole covers makes them an easy target for theft. Missing manhole covers cause a hazard for vehicular and pedestrian traffic. Since composite covers have no scrap value, they are less likely to be stolen. Additional locking options (underside shown left) are available for added security.

Composite Solutions for Your Application

EJ has optimized composite access assemblies to provide the best products for both roadways and off-street areas. Select the frame and cover below that fits your application.

DUROSTREET® Access Assembly

DUROWALK® Access Assembly

Delivering Superior Strength and Durability

Since safety is our top priority, we exceed industry standards by fatigue testing to 2 million cycles at 16,000 lb. Modern design features like the integral dampeners (around the perimeter of the frame and cover) help with shock absorption from impact in heavy traffic applications. The highly engineered design also makes it the lightest weight heavy duty manhole cover, making it ergonomically safer for workers.

New Improved Design with Stronger Frame and Two Locks

The DUROWALK access assembly is optimized as a medium duty composite frame and cover for pedestrian areas and other off-street applications such as raised manholes. It offers easy operation, a five year warranty, two wormgear locks, optional special lettering, UV resistance, and is gray to blend in with sidewalks.

Composite Series	Application and Load Rating	Color	Clear Opening	Frame Height	Edge Detail	Security Options
DUROSTREET ACCESS ASSEMBLY 	**Roadway Heavy Duty**	Black	22" 24" 30" 36"	4 7/16" 4 5/16" 5 5/16" 5 5/16"	Cover and frame dampeners 	Quarter turn paddle lock, Positive Engagement Lock
DUROWALK ACCESS ASSEMBLY 	**Off-Street Medium Duty**	Gray	24"	4 1/8"	No cover dampener or frame dampener	Wormgear locks

Advanced Composite Manufacturing

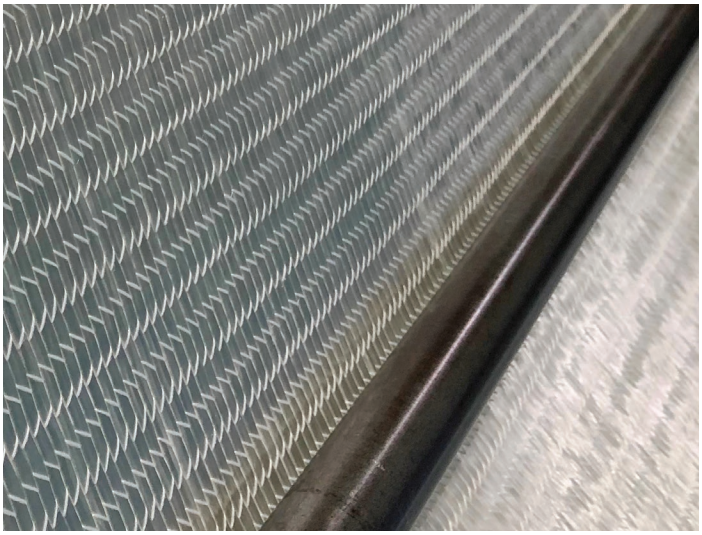
EJ started producing composite infrastructure products in Muskegon, Michigan in1995, starting with a non-conductive, lightweight access solution for fueling stations and tank access. In 2006, after years of R&D, EJ successfully entered the municipal market with heavy duty manhole covers for roadway applications.

Our primary manufacturing technologies are closed mold resin transfer molding (RTM) and reaction injection molding (RIM) which incorporate continuous E-glass fibers as the reinforcement. These technologies enable EJ to produce high performance access cover products with high load ratings. This delivers superior strength and product durability over other traditional methods that depend solely on the use of short fibers.

EJ has the capacity to produce products using a number of different technologies including compression molding, injection molding, filament winding and pultrusion.

By regularly investing in our plant and equipment, and adopting a continuous investment strategy, we work hard to protect our competitive advantage, confirming our commitment to being the world leader in composite access solutions. Certifications for materials and ASTM test results are provided on a by-project basis. Sample specifications are available for use on your projects to ensure quality products are provided.

The high pressure hydraulic press is used in the reaction injection molding process.



Engineered fabric with glass fibers used to produce composite manhole covers.

Engineered fiberglass fabric being cut on material cutter.

Product Testing and Compliance

At EJ, the primary manufacturing technology used is reaction injection molding (RIM) which incorporates continuous E-glass fibers as the reinforcement. Product testing as reported below is continuously assessed through finite element analysis, in-house testing on material, load tests, and ongoing research to ensure our products are able to withstand the rigors of real-world environments.

Abrasion/Wear Resistance: Provide superior wear and abrasion per standard ASTM D4060-14 and proved to be six times more effective than other composite products manufactured using short fiber SMC (sheet molding compound) in independent lab testing.

Climate: Designed, tested, and proven to perform in both low and high temperature environments.

Corrosion: Can withstand the corrosive nature of vehicle fuels, salt water, and hydrogen sulfide (H2S) sewer applications.

Coefficient of Friction: In both wet and dry applications, the static coefficient of friction is 0.5 or greater, as described in the ASTM C1028 standard, making them safe to use in pedestrian areas.

Moisture Absorption: Meet the ASTM D570-98 standard, so performance is not affected by moisture.

Ultraviolet Radiation: Tested to the ASTM G154-16 testing standard Cycle 1 for 1600 hours and meet the requirements, proving they can withstand sunlight exposure.

Flammability: Tested to the ASTM D635-14 standard.

Proof Load Testing: See proof load ratings for products on page 9.

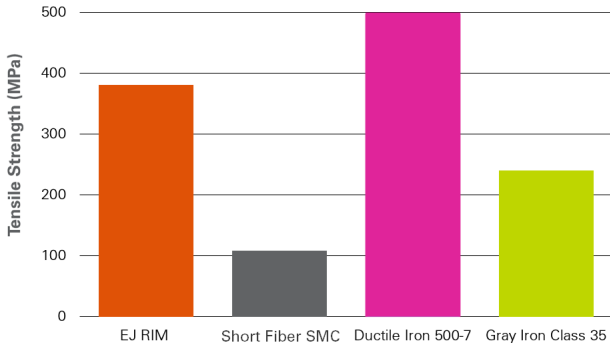
Additional DUROSTREET® Heavy Duty Product Testing

Proof Load Testing: Proof load testing to 50,000 pounds is performed per the requirements of AASHTO M306-10 heavy duty (H25) for cast iron, making them the strongest and most durable composite covers on the market.

Fatigue Testing: Fatigue tested for 2 million cycles at 16,000 pounds, exceeding industry standards and proving they can perform in traffic environments. Meets the 2024 Southern California Greenbook requirements for proof load and fatigue outlined in section 206-7.

Fatigue tested for
2 million cycles
at 16,000 lb, exceeding industry standards†

DUROSTREET® covers tested over
3x as strong as SMC*



Tensile Strength: Tested over three times as strong in tension testing per ASTM D3039-14 standards when compared to compression molded composite products (with short fibers).

Flexural Strength: Bend strength tested per the ASTM D790-17 standard shows EJ composite covers have significantly stronger properties than those made of compression molding (short fibers).

*Testing performed on short fiber SMC by 3rd party independent labs-national research test centers such as the Irish Composites Research Center and American Engineering Testing.
†In house testing on DUROSTREET heavy duty composite covers.

Contact your local sales representative for more detailed information or visit **ejco.com/composite** and download the Composite White Paper

Composite Load Ratings

Loading Requirements
All heavy duty products manufactured by EJ are designed to meet or exceed the specified loading requirements. They are tested to ASTM and AASHTO M 306 standards for cast iron.

Proof Load Testing
Products are available from medium to heavy duty (H25) load ratings. The proof load testing procedure calls for the load to be concentrated on a 9" x 9" contact area in the center of the cover and hold for one minute. Heavy duty composite assemblies are designed to withstand the proof load of H25 (50,000 lb). H25 proof load of 50,000 lb is calculated from a 20,000 lb truck tire x 2.5 safety factor per AASHTO M 306 for cast iron.

Contact your EJ sales representative if you have custom or specific loading criteria.

Proof Load Ratings

Rating Description	Proof Load Rating (lb)	Applicable Product
Light Duty	2,500	DUROWALK®
Medium Duty	16,000	DUROWALK®
Heavy Duty (H20)*	40,000	DUROSTREET®
Heavy Duty (H25)†	50,000	DUROSTREET®

Heavy duty DUROSTREET composite assemblies are designed to withstand the proof load of H25 (50,000 lb). See page 11 for more details.

* This proof load rating is designed to withstand the load of a 16,000 lb truck tire per AASHTO M 306 standards for cast iron (40,000 lb proof load equals 16,000 lb x 2.5 safety factor).

† This proof load rating is designed to withstand the load of a 20,000 lb truck tire per AASHTO M 306 standards for cast iron (50,000 lb proof load equals 20,000 lb x 2.5 safety factor).

DUROSTREET® Access Assembly

DUROSTREET® Access Assembly

Roadway Applications

The DUROSTREET® access assembly delivers superior strength and durability in a composite manhole cover. Since safety is our top priority, we exceed industry standards by fatigue testing to 2 million cycles at 16,000 lb. Our highly engineered composite technology also makes it the lightest weight heavy duty cover, making it safer for workers.

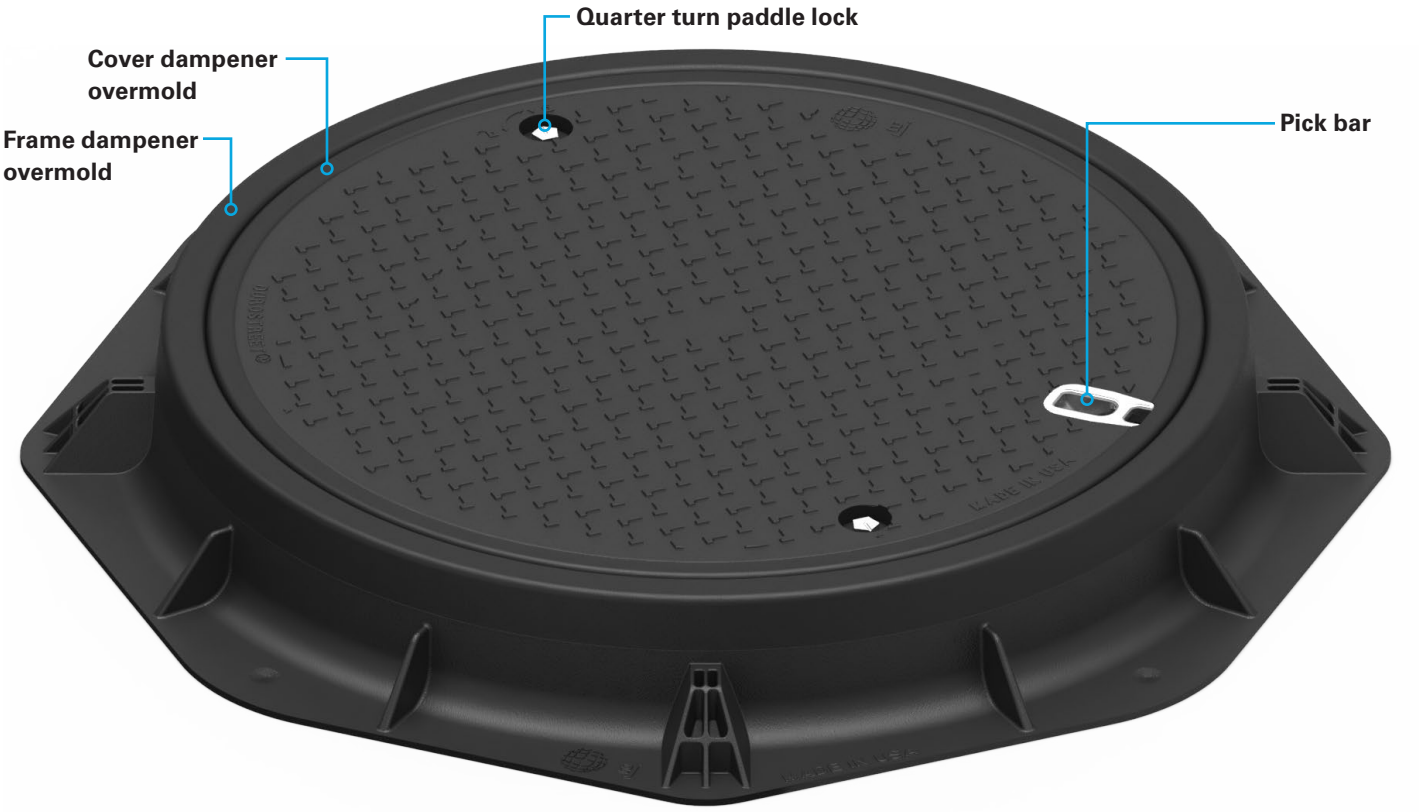
Standard Features
- Heavy duty (H25) proof load tested to 50,000 lb.*
- Fatigue tested to 2 million cycles at 16,000 lb per load.*
- Superior wear and abrasion per ASTM D4060-14
- Meets 2024 Southern California Greenbook requirements section 206-7 for proof load and fatigue
- Integral cover and frame dampeners
- Color: Black
- Pick bar made of 316 stainless steel
- Quarter turn paddle lock with penta head made of 316 stainless steel
- UV resistant— tested to ASTM G154-16 testing standard Cycle 1 for 1600 hours
- Five year limited warranty
- Made in the USA

Options
- Special lettering
- Custom logos
- Additional security locking options
- Custom diameters to fit existing frames
- Flame retardant resin
- AMR attachments
- Watertight Level 1 (L1) with optional O-ring
- Australian AS3996 Watertight Level

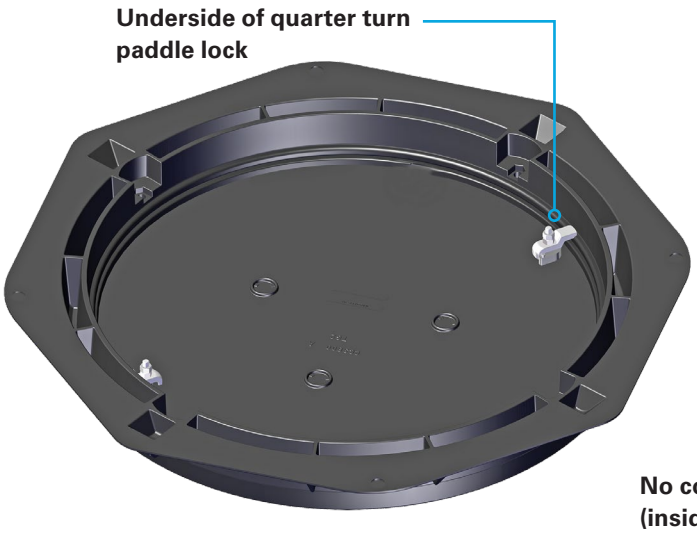
Learn more about this product at **ejco.com/durostreet**

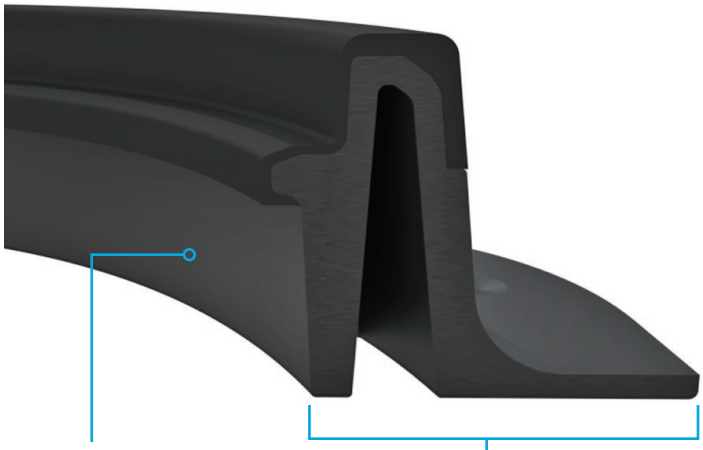
- *See page 9 for load rating details

No Shortcuts on Strength



The DUROSTREET® access assembly is manufactured to a higher standard than other marketplace options. Covers are produced with Reaction Injection Molding (RIM). Long continuous strands of glass fiber reinforcement incorporated in the cover extend from one side to the other and polyurethane resin components are mixed and injected into the mold under heat and high pressure. Modern design features like the durable integral dampeners (around the perimeter of the cover and frame) dampen traffic vibration and improve wear resistance.

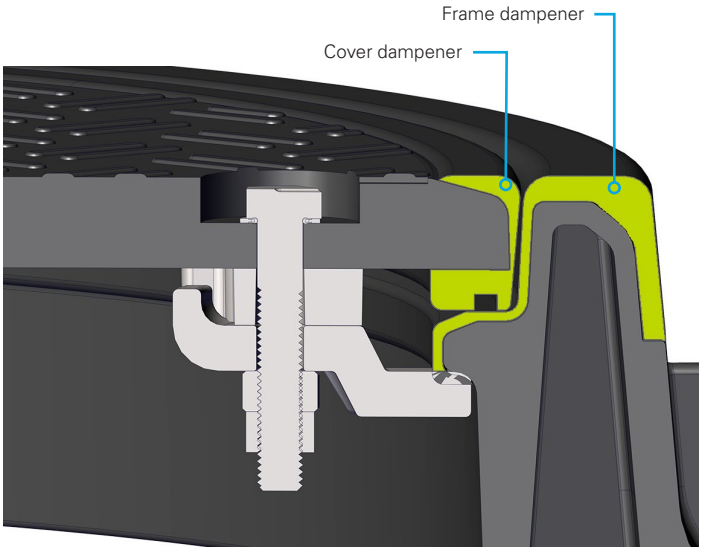




Integral Cover and Frame Dampeners

The DUROSTREET® access assembly is the only heavy duty composite cover on the market that features integral dampeners around the perimeter of the cover and frame for added strength and durability.

Made of an extremely hard wearing polyurethane, these overmolds protect the glass fibers from wicking moisture, improve wear, reduce odors, dampen traffic vibration, and reduce noise.

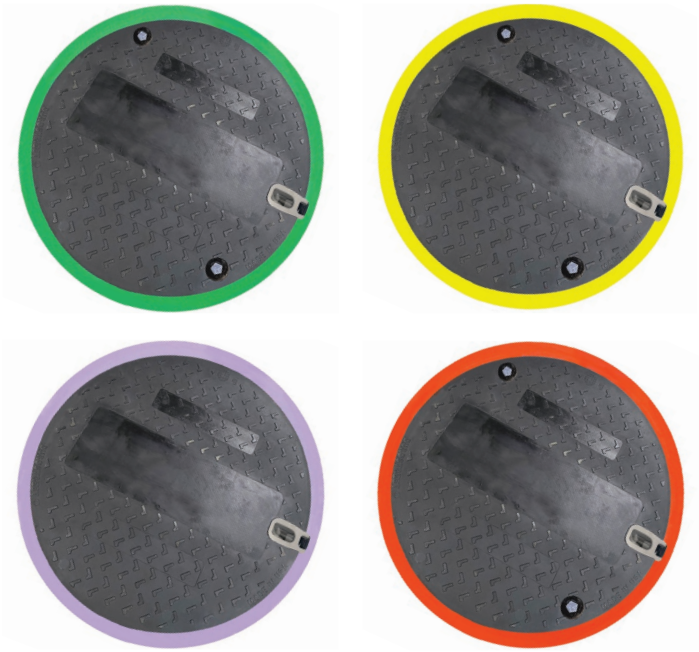


Illustrating a cutaway highlighting the cover and frame dampeners.

Cutaway showing the cover dampener around the outer edge (far right) and layers of engineered glass fiber reinforcement.

Cover Dampener Color Options

New! Help define your application such as sewer, water, safety, fiber, telecom, and reclaimed water with color around the perimeter of your cover. Available in blue, green, yellow, lavender, and orange. Contact your local EJ sales representative for assistance.

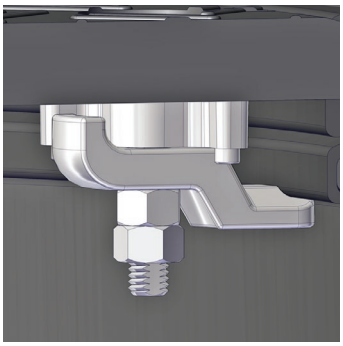


Security Lock Options

When a composite manhole cover is in a roadway application, it should be secured because of its reduced weight.

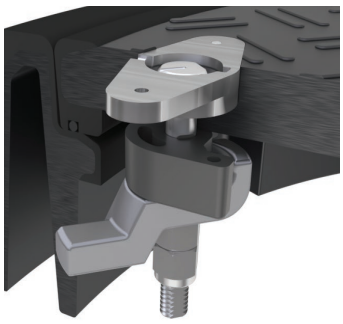
Quarter Turn Paddle Lock
The quarter turn paddle lock with 316 stainless steel penta head hardware provides security by locking the cover in place when the paddle is turned to engage the frame. Hex head bolt also available.

Quarter turn paddle lock illustrated in the open position.



Quarter turn paddle lock illustrated in the closed position.

Positive Engagement Lock
The positive engagement lock (PEL) requires a special key that turns the lock. The key can only be removed when the paddle is in the locked position, ensuring it is engaged.



Positive engagement lock shown in the unlocked position.

The special key is used to turn the lock and engage the paddle with the frame. In this locked position, the key can then be removed.

Composite Covers with Cast Iron Frames

DUROSTREET® composite covers won't interfere with wireless communication signals and can be specially designed for compatibility with your cast iron frames. While the preferred method is to provide new DUROSTREET composite covers with new cast iron frames (as a set), it is often possible to replace existing cast iron covers currently in service with new DUROSTREET covers.

With our extensive history of engineering and manufacturing iron frames and covers, we possess unmatched expertise in fitting covers perfectly into iron frames. Unlike the one-size fits most approach, we offer the industry's widest selection of custom-sized composite covers. Contact your EJ sales representative for assistance with your local standards and custom applications.

Customization and Full Color Logos

Let your city's slogan shine with full color logos or custom lettering on DUROSTREET® covers! Contact your local EJ sales representative for assistance with custom applications.

Example of custom full color printed logo.

Example of custom full color printed logo installed.

Custom special lettering on a DUROSTREET cover.

DUROSTREET® Sizes and Options

DUROSTREET® Access Assembly	Series Number	Clear Opening	Cover Diameter	Cover Thickness	Frame Height	Weight (lb)	Available Options
22" CLEAR OPENING 	COM2400	22	23 13/16	1	4 7/16	Cover: 30 lb Frame: 29 lb Set: 59 lb	Special lettering Custom logos Security locking
24" CLEAR OPENING 	COM2600	24	26	1 1/4	4 5/16	Cover: 39 lb Frame: 40 lb Set: 79 lb	Special lettering Custom logos Security locking Watertight Level 1 (L1) with optional o-ring*
30" CLEAR OPENING 	COM3200	30	32	1 1/2	5 5/16	Cover: 59 lb Frame: 57 lb Set: 116 lb	Special lettering Custom logos Security locking Watertight Level 1 (L1) with optional o-ring*
36" CLEAR OPENING 	COM3800	36	38	1 1/2	5 5/16	Cover: 82 lb Frame: 67 lb Set: 149 lb	Special lettering Custom logos Security locking Watertight Level 1 (L1) with optional o-ring*

Note: All dimensions are in inches.

*Mechanically compressed gasket between frame and solid cover is intended to resist incidental surface water infiltration or odor release. No pressure or head rating. Contact your EJ Sales Representative for additional information about watertight classification levels.

DUROSTREET® Suggested Specification

General
This specification is applicable for composite frames and covers. All products shall be manufactured in the United States of America by EJ.

Material
Composite frame and cover shall be manufactured from fiber reinforced polymer (FRP). They shall consist of a FRP matrix consisting of 45% to 75% fiber reinforcement by weight. The polymer matrix shall be thermoset consisting of a polyester, vinylester, epoxy, polyurethane, and/or hybrid chemical composition.

Cover shall include two locking lugs made of stainless steel. The locking lugs shall be designed to lock under the seat of the frame. Locking lugs shall be actuated by a stainless-steel penta-head bolt.

Manufacture
Composite cover shall be made using the Reaction Injection Molding (RIM) process. Composite frame shall be made using the Compression Molding process.

Composite frame and cover shall be of uniform quality, with a general dimensional tolerance of 1/16-inch. The finished product will feature a strength to weight ratio of at least 750:1 when comparing proof load capacity to weight of the cover. There shall be no possibility of corrosion welding between the cover and the frame, preventing damage to the infrastructure when opening. A polyurethane perimeter overmold gasket system shall be integral to the cover. Perimeter overmold shall be integrated to protect the laminate portion of the cover, reduce traffic shock and to abate noise and malodors. The laminate portion of the cover shall extend far enough to engage with at least 1/2-inch of the frame seat, when centered.

Frame shall have a polyurethane overmold to protect its compression molded laminate portion from damage. The overmold shall extend at least 1-1/2-inches down the outside wall of the frame and shall encapsulate the seat of the frame (cover bearing surface).

Coefficient of Friction
The static coefficient of friction for the cover shall be 0.5 or greater, as described in ASTM C1028 Standard, in both wet and dry applications.

Ultraviolet Resistance
Cover shall meet ultraviolet requirements as defined in ASTM G154 (Cycle 1 for 1600 hours). Specimen shall be tested for ultimate flexural strength, retaining at least 75% of control values for load and deflection at failure.

Fatigue Performance
Composite frame and cover shall be tested to a fatigue performance consisting of 2 million cycles at 16,000 pounds. There shall be no visible damage and permanent deformation must not exceed 1/8-inch. Permanent deformation shall be measured at least 15 minutes after loading. This test must be performed in a manner approximating the field installation as accurately as possible. After the product has gone through the cycle test, it must then pass the proof load requirements of AASHTO M 306 H25.

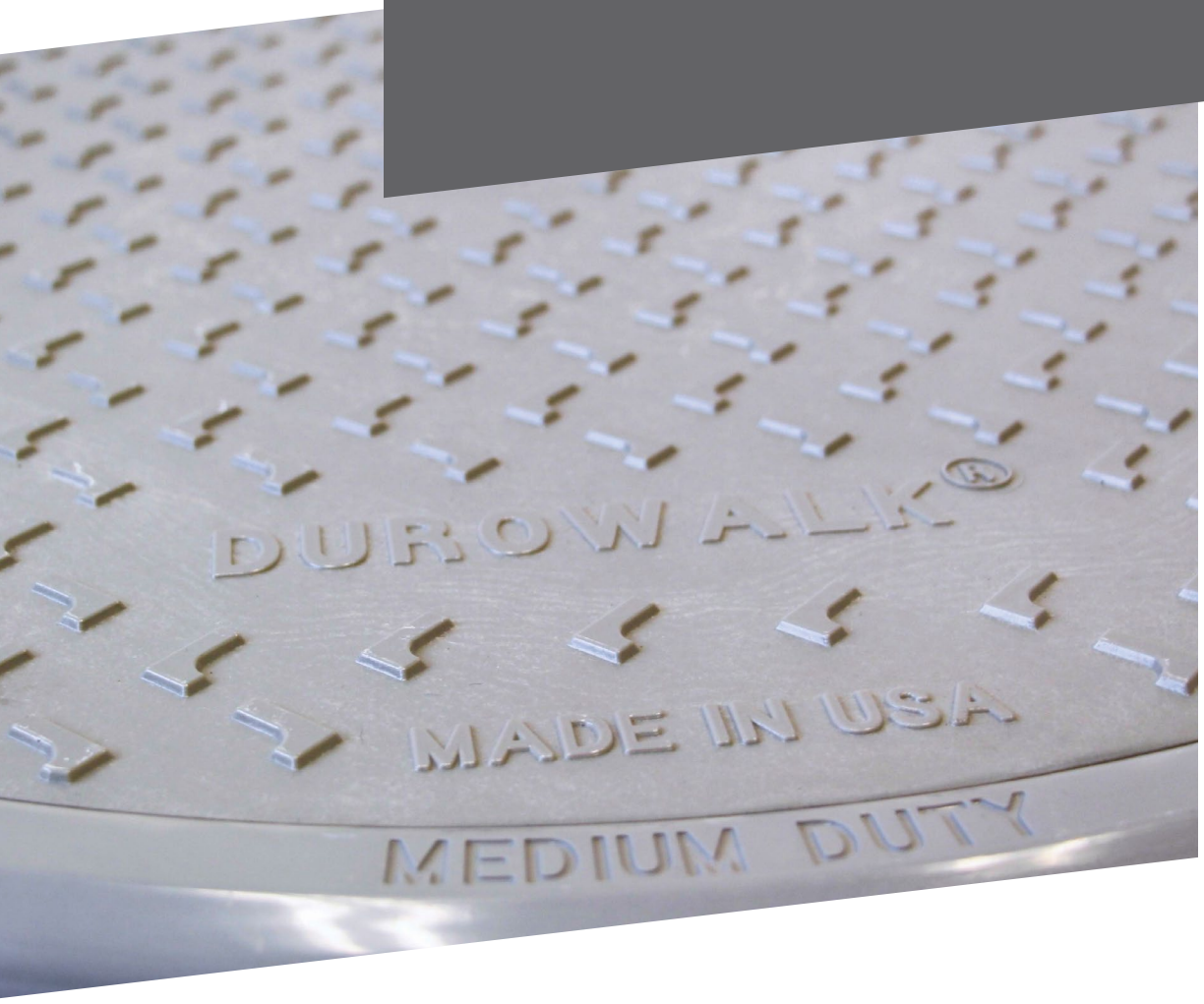
Proof Load Testing
Traffic service frame and cover shall have a first article proof load test conducted and the results of that proof load shall be made available to the purchaser upon request. The proof load shall be conducted in accordance with the method and procedure that is outlined in AASHTO M 306. The product shall be tested on a suitable and calibrated load testing machine and the composite frame and cover shall hold a 50,000-pound proof load for one minute without experiencing any cracks or permanent deformation in excess of 1/8-inch. Permanent deformation shall be measured at least 15 minutes after loading.

Inspection
Inspections shall be in accordance with AASHTO M 306. Results of these tests shall be furnished to the purchaser upon request. The production date and series number, as written or molded on the product, shall be the basis of traceability and recording of the tests.

Marking
Each product shall be identifiable and show, at a minimum, the following: name of the manufacturer, country of manufacture ("Made in USA"), and individual series number. Product shall include all lettering as shown on the specification drawings.

Sampling
Random checks of the product may be conducted by the purchaser. These random checks shall be conducted in accordance with specification drawings.

DUROWALK® Access Assembly



DUROWALK® Access Assembly

Pedestrian and Off-Street Application

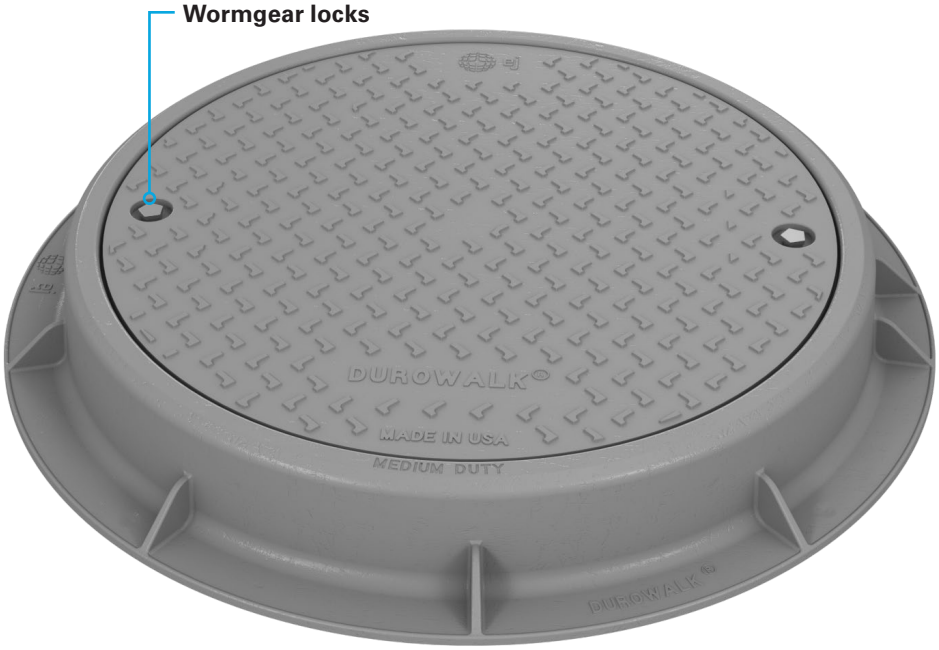
The newly redesigned DUROWALK® access assembly is optimized as a medium duty composite frame and cover for pedestrian areas and other off-street applications such as raised manholes. It offers easy operation, a five year warranty, two wormgear locks, UV resistance, and is gray to blend in with sidewalks.

Standard Features
- Medium duty
- Light weight ergonomic design
- Superior wear and abrasion
- Color: Gray
- Two worm gear locks—penta head composite bolts that are also lifting mechanisms (special tool required)
- UV resistant
- Five year limited warranty
- Made in the USA

Options
- Special Lettering
- AMR attachments
- Color: Black
- Locating magnet
- Watertight Level 1 (L1)*

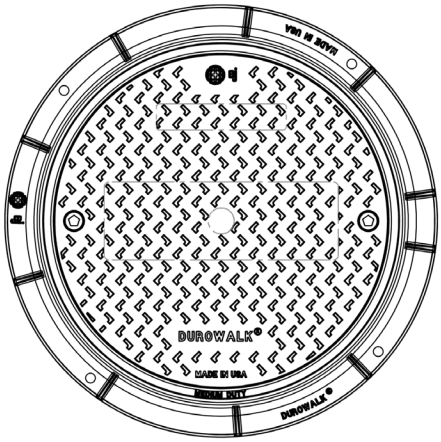
Bottom side view of the standard 24" clear opening frame and cover.

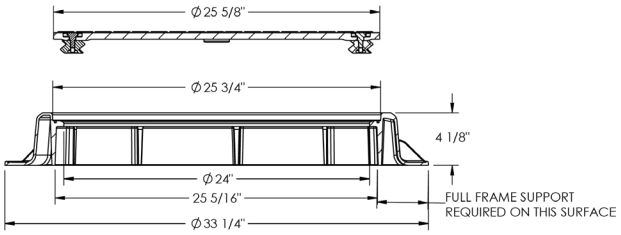
*Mechanically compressed gasket between frame and solid cover is intended to resist incidental surface water infiltration or odor release. No pressure or head rating. Contact your EJ Sales Representative for additional information about watertight classification levels.



Illustrating the standard 24" clear opening frame and cover

Sizes and Features





DUROWALK® Access Assembly Options

Clear Opening	Cover Diameter	Assembly Weight	Special Lettering Options
24	25 5/8	34 lb	Water, Sewer, Custom

Note: All dimensions are in inches.

Wormgear Lock with Penta Head

The two non-metallic worm gear mechanisms provide security by locking the cover in place. They unlock and lift with a standard 13/16" penta head meter key (sold separately).

Illustrating the penta head top of the wormgear locks.

Illustrating the wormgear locks from the bottom side of the cover.

Additional Products

DUROCOM™ Composite Handhole Assembly

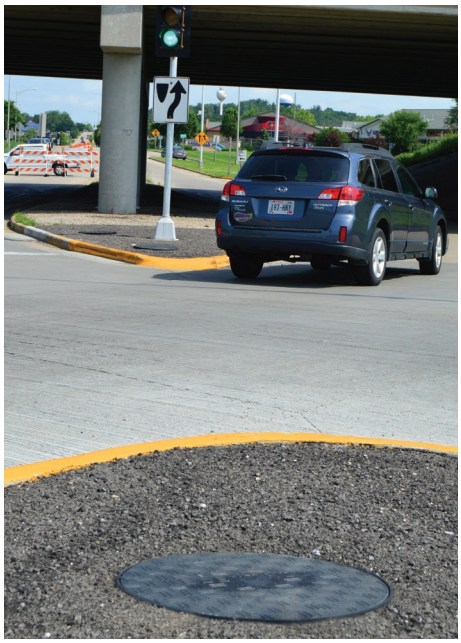
The DUROCOM™ composite handhole assembly is designed to be a safe access point for underground wiring such as street lighting, traffic signals, or communications equipment in pedestrian areas. The non-conductive thermoset fiber reinforced polymer (FRP) composite handhole cover and polyethylene frame and box are a safe choice for electrical utilities and municipalities, providing insulating protection for workers, pedestrians, and pets. They should not be placed in roadway traffic areas.

Advantages over polymer concrete
- Rolls into place for easy installation by one person
- Polyethylene box is easy to drill through
- Cover and frame won't crack or break

Standard Features
- Meets all requirements of the ANSI/SCTE-77 standard, Tier 15 or Tier 22
- Made in the USA

Options
- 9" or 12" extensions available for 2562 series
- 36" or 42" tall handholes can be trimmed to specific slope
- Special lettered covers

DUROCOM handhole installed near traffic lights.



DUROCOM handhole assemblies installed.

1950 Handhole

2562 Handhole

3745 Handhole

Rectangular Handhole

Tier 22, 6" x 8" rectangular handhole. (Series 0608)

DUROCOM™ Composite Handhole Assembly Options

Nominal Diameter	Barrel Height	Shape	Series No.	Tier Rating
18	36	Round	1950	Tier 15
24	24	Round	2562*	Tier 22
24	36	Round	2562*	Tier 15
24	42	Round	2562*	Tier 15
36	42	Round	3745	Tier 15

Note: All dimensions are in inches
*9" and 12" extensions available for 2562

DUROCOM handhole exploded view.

Temporary Safety Covers

A temporary safety cover is intended for short-term use. The cover can be placed over an open or unattended manhole structure to prevent foreign debris and material from entering the open hole and protects pedestrian walkways. They are a perfect solution during construction or maintenance projects and provide added security to the site.

Composite safety covers are lightweight and portable, making them easy for maintenance vehicles to carry as a spare cover. Their durability and strength make it a better alternative to plywood coverings.

Ergonomics
The covers are lightweight and have a handle for ease of carrying to the job site. The covers have two spike holes included to secure the cover from movement.

Theft
When manhole covers are stolen, cities often have to park a police vehicle over the dangerous opening. Instead of waiting for a replacement cover, a temporary safety cover can be used to secure the open hole until the utility can replace it with a permanent access cover.

Round Temporary Safety Covers

Series No.	Clear Opening	Cover Dia.	Cover Thickness	Weight
3000	28	30	3/4	22 lb
4000	37	40	3/4	38 lb

Square and Rectangular Temporary Safety Covers

Series No.	Cover Width	Cover Length	Cover Thickness	Weight
3434	34	34	3/8	31 lb
4252	42	52	1/2	71 lb

Note: All dimensions are in inches.

Meter Box Frames and Covers

Water meter covers made from composite materials offer little interference with wireless communication signals. The fiberglass reinforcement helps make this product a more durable option than standard plastic lids.

Round sizes are available from 12" to 20". The product features an adjustable hook that allows for retrofitting into existing frames. Optional molded inserts allow for attaching antenna boxes to the underside of the cover.

We Design Solutions

EJ manufactures an extensive range of access solutions in a variety of materials— including galvanized steel, stainless steel, aluminium, ductile iron, and composite—in our world class production facilities. When the standard product doesn't quite fit your needs, contact your EJ sales representative for additional options and assistance with custom solutions. The following photos show some examples of custom composite products, combined with other materials, for specific applications.

This hybrid assembly installed on a power vault in Alberta, Canada combines steel grating and composite rectangle panels along with a concrete infill frame.

This example shows a custom fabricated steel access hatch combined with the advantages of a composite cover, making it ergonomic, non-corrosive, and non-conductive while maintaining a heavy duty rating.

These ergononomic composite covers were retrofit in steel frames in downtown Spokane, Washington, replacing old steel grating which was allowing salt and other road debris to fall directly on top of the power transformer below.

This composite panel replaced a broken section of grating located directly over the vault's access ladder. The retrofit installation was the perfect solution—leaving the remaining grating to provide ample ventilation for the power structure below.

ejco.com
800 626 4653

Americas
800 626 4653
231 536 2261

EMEA
Europe, Middle East
and Africa
+33 (0)344 08 28 00

Asia-Pacific
+61 (0)7 3216 5000

EJ
301 Spring Street
PO Box 439
East Jordan, MI 49727
800 626 4653
231 536 2261
us.sales@ejco.com

Rev. 0525–Y0010