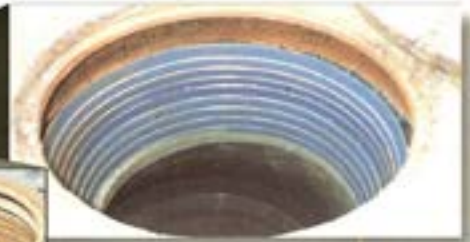


## HDPE Recycled Plastic Manhole Adjusting Rings

Engineered  
Tested  
Proven  
Quality



### Lightweight

When working with sewer systems, "lightweight" is rarely a word that comes to mind. But with the **Ladtech® Adjusting Rings** and their polyethylene structure it becomes an enormous advantage over concrete.

**Ladtech's** lightweight adjusting rings are manufactured from 100% polyethylene recycled plastic. This makes them easy to lift, transport and place. In return, they also reduce on-the-job injury, lower installation costs and promote high production rates. Improve your infrastructure by using the rings that are made from everyday post-consumer plastic waste products.

- Available in several diameter & heights
- Heavy handling equipment not required
- Faster job completion
- Saves city/county and state life cycle costs

### Ladtech® Inc. Guarantee

Using the **Ladtech® Adjusting Rings** adds to the durability of any manhole system – A system that's designed to last beyond the **NEXT** millennium!

**Ladtech®** guarantees a full ten year replacement warranty, that any damage to the **Ladtech® Rings** will be replaced at no charge. If a manufacturing defect occurs within the first five years, **Ladtech®** will dig up and replace the faulty product.



**LADTECH INC.**

**Ladtech® Inc.** has revolutionized the manhole industry by reinventing the manhole adjusting ring. We have simply replaced the old concrete & mortar and brick & mortar system with the high strength HDPE adjusting ring that resists breakage, is compressive and impact resistant, and non-corrosive.

The **Ladtech® Adjusting Rings** provide a sealed system that will stand the test of time. Check and see for yourself! Our product is already being used in numerous national and international infrastructures with very positive results!



**The biggest risk is to do nothing at all!**





As a **Contractor** or the **Designing Engineer**, this is what I can expect from the **Ladtech® HDPE Adjusting Ring**



**Mortarless System**

Eliminate the mixing of mortar! Reduce your overhead and increase your margins! Simply apply an approved (ASTM C-990 and AASHTO M-198) butyl rubber sealant between the Adjusting Rings. The self aligning, easy to install design of the **Ladtech® Rings** assure a quality assembly with no need for rework. Also, there is no mortar required to match grade angles. The specific installation procedures will prevent infiltration and inflow.

- Ease of installation
- Eliminate the mixing of mortar
- Broken and wasted rings are a concern of the past



Try our HDPE Rings on your next project!



**Engineered**

The **Ladtech® HDPE Adjusting Rings** are designed, manufactured and tested to withstand high load capacity in excess of AASHTO's HS 25 specs. Also manufactured to establish material, quality, and performance assurance (ASTM D-1248).

- "Specifiable" and "Inspectable"
- Plastic adjusting rings are impervious to the corrosive effects due to sulfuric acid that is created from hydrogen sulfide gases and moisture common to sanitary sewers.
- UV and heat-resistant, performance is not compromised when exposed to sun or hot asphalt.

Our specific installation procedures using butyl rubber material as a sealant will produce a positive watertight assembly, virtually eliminating the need for rework. This allows Specifying Engineers a way to control assembly and installation.



**Cost Effective**

While basics of the sewer industry have slowly changed over the years, one product has changed dramatically. **Ladtech® Inc.** has found an innovative way to save city/county & contractors' life cycle costs and lower production & overhead costs. While conventional concrete rings weigh about 85 lbs, the **Ladtech® Rings** are extremely light weight, approximately 6 lbs, making them durable and quick and easy to install. It takes 50 recycled milk jugs and detergent bottles to make a single 27 inch plastic sewer ring that can easily be handled by one person.

- Installed costs are an advantage over concrete & mortar or brick & mortar
- Contractors can define & control cost
- Recyclable if product becomes unusable for any reason

Utilize an environmentally friendly product and improve your infrastructure at the same time!



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Manhole Repair

**Don't just take our word...**

Greg Brown from Brown & Chris Construction Co., MN, states: "We use the Ladtech Inc. Rings exclusively. We see two major advantages over concrete rings. The substantial weight reduction of the Ladtech Rings and the fact that they don't break...I have found the Ladtech Rings to work better and cost less. Concrete rings are less expensive right up front, but when considering the initial investment, then adding the cost for broken and damaged rings and also the fact that Ladtech Rings reduce rework costs - using the Ladtech Ring product offers a real economic advantage."



# STOP

## Manhole and Catchbasin Deterioration



**PREVENT** settlement of the casting and subsequent breakup of the surrounding pavement by using LADTECH high density polyethylene manhole adjusting rings.



The HDPE ring's strength and impact resistance exceeds AASHTO HS-25 load rating.



**ELIMINATE** storm inlet and curblin catch basin failure due to the runoff of corrosive fluids and road salts by replacing concrete rings and mortar with LADTECH high density manhole adjusting rings.



The HDPE ring is durable, easy to install & cost effective.





**GO**

## to the LADTECH System!

**Don't Take the Risk of NOT Making the Change!**

**Contact Us  
Toll-Free!  
877-235-7464**

### Ladtech Inc.

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6704 Meadowlark Cr.  
Lino Lakes, MN 55038



### This is What the User Has to Say!

#### Windsor Ontario's Answer to Sewer Corrosion

"We have found that we can install the rings much more quickly since they are lighter and don't rely on mortar and shims." Three years after installing the Ladtech HDPE Adjusting Rings on a busy city street, the city of Windsor, Ontario, Canada, believes they have found the answer – an effective solution to the labor intensive replacement of broken adjustment rings. Since 1997, Windsor has been using the rings for the construction and reconstruction of almost 200 manholes. Pete also states, "Windsor has to deal with the highest volume of truck traffic on their street of any municipality in Canada combined with freeze and thaw cycles and the traditional adjusting rings, they simply cannot stand up. There is a manhole on a main road on the wheel track of a truck lane that had to be rebuilt every three to four years using concrete rings. We installed Ladtech HDPE Adjustable Rings three years ago and there has been absolutely no deterioration of the rings to this date."

– *Pete Matheson, Sewer Superintendent*

**IPEX PIPELINE Municipal System: • Windsor, Ontario Canada**

"We first began to install Ladtech HDPE grade adjustment rings on our project in 1998. Since then, we have experienced a much lower vacuum test failure rate as compared to the traditional precast grade ring product. Also, it makes environmental sense to utilize recycled material whenever possible. We plan to continue to install this product on our sewer and storm sewer projects."

– *Timothy D. Greenland*

**GREENLAND CONSTRUCTION, Inc. • Clearfield, PA**

"We have been using the Ladtech Rings in our system since 1998. We have found them easier to work with than the standard concrete rings. The repair crew has expressed how easy the various sizes are to use, they have found it very easy to make adjustments in manhole grade without the use of shims. I have also found the slope adjustment ring to be very valuable in our mountainous region. I would not hesitate recommending the use of the Ladtech rings to any utility."

– *Michael Adams, U/R Sewer Supervisor*

**PUBLIC UTILITY DISTRICT • South Tahoe, CA**

"In 25 years being in the underground construction business, Ladtech Inc. has solved our dilemma with the chimney section of manholes, with a product that is cost effective, time saving, and also delivers a superior product to the owner. We at JR DAVIS only use the Ladtech system in our chimney section."

– *Buck Jones, Utilities Superintendent*

**JR DAVIS CONSTRUCTION • Kissimmee, Florida**

Manhole Repair