



# Introducing... The First MADE-IN-THE-USA, Compression Molded Composite, Traffic-Rated, Manhole Cover!



- City Logos and Text...center logo and arches in photo can be customized
- Various colors and color combinations
- 50% more frame wall thickness to prevent wheel strike fracture
- Detering messages to thieves
- Seals to prevent infiltration
- Only US Composite Manufacturer With State DOT "Within Roadway" Approval
- High Strength and affordability from Compression Molding Process
- Locking features available: Choice of Bolts or Paddle lock options
- Dimensionally Stable...will not warp
- H-25 Traffic Rated Strength...NOT HDPE or Polymer Concrete
- And, Made in the USA!

## Tired of Iron Manhole Cover...



**Corrosion?**



**Theft?**



**Heft?**



**Inflow?**



**Burn?**



**Injury & Liability?**

# Just CAP That!



# How To Choose Composite Covers... Five Questions to Ask

## 1. Where was it manufactured?



Made-In-The-USA is important:

- Avoid sending tax-payer funds to foreign manufacturers & comply with federal law
- Traceability to raw materials, Short Lead Times, Local Service
- Consistent quality – no shortcuts

If no Country of Origin is explicitly on top, it is Chinese and does not comply with AASHTO rules. CAP is Made-In-The-USA!

## 2. Are locks 316 Stainless for corrosion resistance?



- Metal Locks Can Corrode if not 316 stainless steel (specifically Austenite)
- Corroded Hardware could seize and break
- Use a magnet to test...Austenite is not attracted by magnetic forces

A lock system attracted to magnets (like the latch and bolt lifted by the red magnet in photo) is NOT corrosion resistant. CAP uses only corrosion resistant lock assemblies.

## 3. How Thick is the Frame Wall?



- A full 7/8 inch composite wall is extremely strong
- Thin composite frame walls can fracture over time with vehicle wheel strike

CAP's robust frame design with double the wall thickness of the thin import

## 4. Compression Molded or RTM?



- Compression Molded Composites are High Volume, High Speed, and Affordable
- High tonnage imparts high strength
- RTM covers can be too light...manhole covers are not supposed to be Frisbees
- Compression Molding Pushes Trapped Gas Out of Part

CAP Covers are pressed with 800 tons and done in less than 10 minutes

## 5. Which UV protection additives?

- Absorber, Quenchers, or H.A.L.S.?
- Carbon Black is a good Absorber, but is it enough?
- Resin chemistry and Inorganic fillers can play an important role as well.

CAP Composite Experts Can Answer these questions...Let's talk!



# Just CAP That!