TerraCast®
PRODUCTS

CUSTOM CAPABILITIES
DECORATIVE POLE BASES

SOLVING THE AESTHETIC PROBLEMS

Innovation With **Resin Based** Commercial Outdoor Products
WWW.TERRACASTPRODUCTS.COM

TerraCast®

As an American-owned and operated company, TerraCast is committed to sustainability, utilizing environmentally friendly materials and practices. Our unique resin blend forms the foundation of our eco-friendly product line, including roto-molded planters and light pole bases. We are dedicated to the well-being of the economy, the environment, and future generations.

With the use of resin, we offer products that are up to 75% lighter than traditional planters and light pole bases, virtually indestructible, maintenance-free and cost-effective. We have the perfect solutions for you no matter how big or small your project is. Our custom options will fit the needs of your business to a “T”.

Visit www.terracastproducts.com for our full line of products.

Providing Industry Solutions

Since 1969, TerraCast has been tackling the maintenance and aesthetic challenges of outdoor installations with our durable roto-molded resin planters and bases. Cities, municipalities, businesses, contractors, architects, designers, educational facilities, and neighborhood associations all face significant issues with traditional outdoor products, often spending thousands annually on maintenance and replacements due to rust, corrosion, theft, and vandalism. Our mission is to provide effective solutions across these sectors with our resilient, maintenance-free resin products that resist elements like moisture and road salts, deter theft, and reduce vandalism, thereby alleviating financial burdens. Our custom capabilities ensure that we can match existing designs, maintaining aesthetic continuity while overcoming maintenance issues. Property managers and residential communities can avoid the constant repainting of metal bases, while in the wireless sector, our decorative covers enhance the visual appeal of monopoles, potentially speeding up city approvals for small cell infrastructure by blending technology with urban aesthetics.

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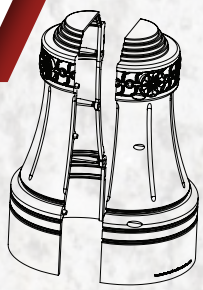
CUSTOM PROCESS

At TerraCast®, we have transformed simple hand-drawn sketches into precise digital CAD files to bring ideas to life. No matter where your project begins, we are here to help ensure you get the best parts for a successful finish.

CONCEPT & CONSULTATION
Discuss project details, dimensions, and specific needs.
Clients can provide CAD drawings, or we can create them.



PROTOTYPE (OPTIONAL)
3D-printed prototype available for fitment testing.
Helps reduce design modifications before mold production.

CUSTOM MOLD MAKING
High-quality mold creation ensures precision and durability.

SAMPLE RESIN PART
A test sample is provided for final client review.
Ensures fitment and quality before mass production.

PRODUCTION & DELIVERY
Full-scale production begins after approval.
On-time delivery to meet project deadlines.

OUR CUSTOM PROCESS

At TerraCast®, we've streamlined our custom project process to guarantee precision and customer satisfaction. We begin by taking your vision, be it a hand-drawn sketch or an existing metal part, and convert it into a CAD file through scanning or drafting. Before progressing to mold-making, we provide you with a comprehensive specification sheet, either as a rendering or line drawing, for your review. For clients requiring additional validation, we offer an optional 3D printed prototype stage, which allows for field-testing to ensure fit and function before any commitment to mold-making. Once the design is finalized, we construct a wooden plug and cast aluminum to form a mold. After completing the mold, we produce a first article sample for your final approval, ensuring all details are perfect before we scale to mass production. This process, demonstrated when we transformed a worn-out part into a new product, highlights why choosing TerraCast means partnering with a company that combines innovation, precision, and customer involvement for exceptional results from concept to completion.

MATERIAL BENEFITS

TerraCast® Bases Benefits

- Low Initial Cost
- Lower Installation Cost
- Rust Resistant
- Corrosion Resistant
- Crack Resistant
- Chip Resistant
- Vandal Resistant
- Impact Resistant
- Salt Resistant
- Lightweight
- No Maintenance Required
- No Scrap Value
- Non-Conductive
- Color Through Material
- Never Needs Painting
- Resists Pet Markings/Stains
- Defends Against Extreme Weather and Temperatures

PROBLEMS WITH OTHER MATERIALS

Dealing with light pole bases that are vulnerable to the elements can be challenging, but there is room for improvement. Traditional materials like steel, which tends to rust and degrade, aluminum that is prone to theft, concrete that can crack, and fiberglass that may fray under sunlight often lead to costly repairs and ongoing frustration. By relying on outdated materials, we frequently find ourselves stuck in a cycle of temporary fixes that fail to provide lasting solutions.

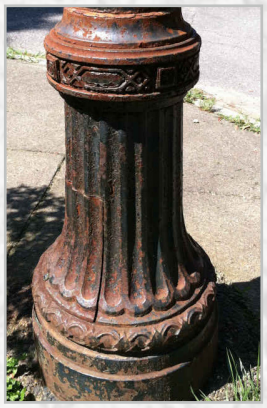
TerraCast® resin decorative base covers provide an effective solution. Made from linear low-density polyethylene (LLDPE), these covers are durable, cost-effective, and built to withstand harsh conditions. They are corrosion-resistant, making them ideal for wet or salty environments, and their crack-resistant, flexible design absorbs impacts and endures extreme temperatures. Their lightweight nature also reduces shipping and installation costs.

Invest in TerraCast® LLDPE resin to eliminate expensive repairs and ensure lasting value for your light pole bases.

TerraCast® Base

Fiberglass Base

Concrete Base



Steel Base

Aluminum Base

ATLANTA

The City of Atlanta turned to TerraCast® Products to address a pressing challenge: rampant theft and corrosion of its aluminum street light bases. Thieves targeted access doors and entire bases for scrap metal, while environmental wear accelerated deterioration, driving up maintenance costs and compromising the city's infrastructure. TerraCast® delivered an innovative, durable solution with its Atlanta Clam Shell Base, blending advanced 3D printing technology, custom molds, and a proprietary resin-based material to transform the city's streetscapes.

TerraCast® redesigned the bases to mirror the original aesthetic while enhancing security and longevity. By etching "No Scrap Value" onto the upper collar and eliminating theft-prone access doors, the new design deterred criminals effectively. To combat corrosion, TerraCast® crafted the bases from a high-quality LLDPE resin blend using a rotational molding process, ensuring resistance to environmental damage and a prolonged lifespan.

The result? A cost-effective, mass-produced solution that restored the integrity of Atlanta's iconic street lights. Rigorous testing confirmed the bases' durability, reducing the city's maintenance burden and preserving the beauty of its streets. This collaboration showcases TerraCast®'s ability to solve urban infrastructure challenges with cutting-edge technology and innovative materials, making the Atlanta Clam Shell Base a standout addition to our catalog.

BERKLEY BASE

In northern cities, extreme weather and ice-melting agents like salt and chloride corrode the decorative metal bases of community streetlights, particularly at the lower pole where damage accumulates. TerraCast® Products addressed this issue by replacing traditional metal bases with resin-manufactured decorative bases that match existing designs. These bases feature color-through material with UV inhibitors to prevent fading, are rust-proof, and require no painting. Unlike metal bases, which often show chips, nicks, and fading by years 3 to 5, these resin bases eliminate the need for sanding and repainting every five years, maintaining a like-new appearance for longer and ensuring communities enjoy consistent aesthetic appeal without periods of wear.

Similarly, a high-traffic urban trail project faced challenges with its lighting infrastructure due to heavy pedestrian, bike, and pet activity. The increased traffic, combined with corrosive elements like pet urine, threatened the durability of traditional metal light pole bases. To meet these demands, TerraCast® provided smaller-sized resin light pole bases tailored to the project's needs. These bases are pet-resistant, repelling the corrosive effects of urine, and highly durable against heavy use and weather exposure. Their non-porous surface also resists graffiti, simplifying maintenance and preserving the trail's aesthetic appeal. This low-maintenance, long-lasting solution ensures the trail's lighting remains safe, functional, and visually appealing despite intense public use.

DALLAS BASE

In 2020, a leading contractor in the cell tower industry turned to TerraCast® after experiencing standout results with our bases. Tasked with enhancing a key Dallas, Texas community, they collaborated with us to craft the stunning Washington Bell decorative base cover for small cell monopoles—ushering in a new era of 5G connectivity with style and resilience. Molded from robust LLDPE resin, this custom design doesn't just elevate the streets' aesthetic; it's built to endure. Since installation, these bold bases have faced down severe winter storms—ice, wind, and all—across the Dallas area, emerging unscathed. UV-stabilized and color-infused, they resist fading under the Texas sun, while their chip-proof, crack-resistant surface shrugs off wear without ever needing a touch-up. Low-maintenance and theft-resistant with no scrap value, the Washington Bell base cover proves that TerraCast® delivers beauty and brawn that stand the test of time—and weather.

DELAWARE BASE

The Delaware Department of Transportation (DelDOT) faced a critical issue with deteriorating aluminum street light pole base covers. Aging and damaged, these covers allowed water and pests to infiltrate, threatening structural integrity and increasing maintenance costs. With the original manufacturer unavailable, DelDOT needed a reliable replacement that matched the existing design while enhancing durability. TerraCast® Products delivered with its innovative resin-based base covers, tailored to meet both aesthetic and functional demands.

Using advanced replication techniques, TerraCast® recreated the original base cover design with its proprietary high-quality resin material. This non-porous, corrosion-resistant resin repels water, preventing moisture damage, while its smooth, crevice-free surface deters pests like field mice. A precision-engineered 45-degree bevel on the bottom inner edge ensures a snug fit against the concrete pad, minimizing gaps and blocking water pooling to reduce corrosion and mold risks.

The result is a robust, low-maintenance solution that preserves Delaware's streetscapes while enhancing infrastructure resilience. TerraCast®'s base covers not only restored the visual appeal of DelDOT's street lights but also provided long-lasting protection.

DECORATIVE LIGHT POLE BASES

TerraCast® LLDPE resin pole bases protect and enhance light poles, utility structures, traffic signals, and small cell monopoles. These durable covers prevent water, pest, and decay damage, halting corrosion while offering customizable, high-impact designs.

Made from premium LLDPE, TerraCast® bases resist cracks, rust, and weather, with a fade-proof, maintenance-free finish. Lightweight and theft-resistant, they reduce costs and outperform metal. Available in diverse styles—modern to classic—with fast lead times, the two-piece or closed-top designs ensure easy installation and adaptability. Ideal for small cell concealment or historic aesthetics, TerraCast® delivers strength and elegance.

Explore our range to elevate your infrastructure with lasting performance.

AVAILABLE STYLES & SIZES

NAME	ITEM #	STYLE	BASE OD	POLE DIA	HT
ADDISON	TC-ADD34	CLAM SHELL	24”	UP TO 10.75”	34.50”
ARGENTA	TC-ARG52	CLAM SHELL	30”	UP TO 18”	52”
ATHENS	TC-ATH38	CLAM SHELL	22”	UP TO 10.75”	37.25”
ATLANTA	TC-ATL28	CLAM SHELL	17.50”	UP TO 7.25”	27.50”
	TC-ATL38	CLAM SHELL	22.25”	UP TO 10.25”	37.25”
BERKLEY	TC-BRK24	CLAM SHELL	13.50”	UP TO 6”	24”
	TC-BRK46	CLAM SHELL	20.75”	UP TO 7.75”	46”
	TC-BRK4216	CLAM SHELL	24”	UP TO 10.5”	42”
BERMUDA	TC-BER24	CLAM SHELL	12”	3” / 4”	24”
BOARDWALK	TC-BOR18	CLAM SHELL	32”	10.5”	18”
DALLAS	TC-DAL39	CLAM SHELL	36”	UP TO 18”	39”
DELAWARE	TC-DEL16	CLAM SHELL	15”	UP TO 5”	16”
	TC-DEL18	CLAM SHELL	19”	UP TO 6.75”	18”
	TC-DEL28	CLAM SHELL	26.50”	UP TO 10”	27.75”
DENVER COLLAR	TC-DEN24	CLAM SHELL	21.50”	UP TO 13.5”	6.5”
DETROIT	TC-DET9	CLAM SHELL	26.75”	UP TO 20”	9”
DSL COLLAR	TC-DSL6	CLAM SHELL	20”	UP TO 17.5”	6”
GILLETTE	TC-GIL34	CLAM SHELL	24”	6” / 7.75”	34”
GOLDEN BEACH	TC-GOL22	DROP OVER	12”	3” / 4”	22”
HAMILTON	TC-HAM24	CLAM SHELL	15.50”	UP TO 5.75”	24.25”
KEEGO HARBOR	TC-KHB43	CLAM SHELL	25”	UP TO 6”	43.25”
MADISON	TC-MAD31	DROP OVER	17”	UP TO 8”	30.5”
	TC-MAD36	DROP OVER	19”	UP TO 10”	36”
	TC-MAD31-6.5	CLAM SHELL	19.25”	UP TO 6.5”	31.25”
MAPLE LEAF	TC-MAP40	CLAM SHELL	21”	UP TO 7”	40”
	TC-MAP45	CLAM SHELL	30”	UP TO 10.5”	44.5”
MENIFEE	TC-MEN45	CLAM SHELL	21.75”	UP TO 4.5”	45.75”
MIRAMAR	TC-MIR40	CLAM SHELL	16.50”	4”	40”
NEWTON	TC-NEW36	CLAM SHELL	16”	UP TO 4.25”	36”
NOLA	TC-NOL12	CLAM SHELL	28”	UP TO 20.5”	12”
PINNACLE	TC-PIN25	CLAM SHELL	25”	UP TO 13”	25”
SARASOTA	TC-SAR20	CLAM SHELL	16”	UP TO 11”	20”
SLC	TC-SLC40	CLAM SHELL	24.50”	UP TO 10.50”	40.25”
TAMPA	TC-TAM51	CLAM SHELL	46”	UP TO 22”	51”
WASHINGTON	TC-WAS18	DROP OVER	19”	UP TO 5”	18”
WINTER PARK	TC-WIN35	CLAM SHELL	20”	UP TO 9.25”	35”

CASE STUDIES

Atlanta's aluminum street light bases were under threat from rampant theft for scrap metal and corrosion due to environmental exposure, inflating maintenance costs and endangering infrastructure. TerraCast® was tasked with creating a durable, secure solution. The result, the Atlanta Clam Shell Base, utilized advanced 3D printing and LLDPE resin to safeguard and enhance the city's streetscapes.

The Challenge

Thieves targeted access doors and bases for their scrap value, necessitating frequent, costly replacements. Corrosion, driven by Atlanta's climate, further degraded the bases. The city required a theft-deterrent, corrosion-resistant design that preserved aesthetic continuity and supported citywide implementation.

The Development Process

TerraCast® employed a meticulous, innovative approach:

- **Design Refinement:** Using precise field measurements, engineers crafted a base that mirrored the original look, eliminated access doors to prevent theft, and added a "No Scrap Value" etching to deter criminals.
- **3D-Printed Prototyping:** A full-scale 3D-printed prototype was tested on Atlanta's streets to verify fit and aesthetics. Client feedback during this phase ensured the design met expectations before production.
- **Material Selection:** TerraCast® chose LLDPE resin for its superior corrosion resistance, addressing environmental wear and extending base lifespan.
- **Mass Production:** Post-approval, rotational molding enabled efficient, consistent production to meet Atlanta's large-scale needs.

Impact and Outcomes

The Clam Shell Base curbed theft through its anti-theft features and reduced maintenance with corrosion-resistant resin. The bases blended seamlessly with Atlanta's streets, maintaining visual appeal. The 3D-printed prototype minimized design risks, while rotational molding ensured cost-effective scalability. Atlanta now enjoys a secure, low-maintenance infrastructure.

The City of Gillette, Wyoming, faced significant challenges with its decorative aluminum light pole base covers. Harsh winter conditions, with sub-zero temperatures for over half the year, combined with heavy road salt use, caused rapid corrosion of the aluminum bases. This led to frequent replacements, costly maintenance, and compromised aesthetics in the city's streetscape. Seeking a durable, low-maintenance solution, Gillette partnered with TerraCast® Products to replicate the existing base cover design using a more resilient material.

The Challenge

The aluminum base covers required constant cleaning and periodic replacements due to corrosion, straining the city's maintenance budget and resources. The goal was to create a long-lasting, weather-resistant alternative that maintained the original design while eliminating ongoing upkeep.

The Solution

TerraCast® utilized LLDPE resin, a rust-proof, weather-resistant material requiring no maintenance. The design process began with a hand-sketched napkin drawing and photos of a corroded aluminum base. From these, a 3D file was created, followed by a wooden plug used to cast an aluminum mold. A 3D PDF was provided to Gillette for approval, ensuring the design matched expectations before production.

The Implementation

The custom resin base covers were installed across the city, replacing the problematic aluminum versions. The new covers were designed to withstand Gillette's extreme climate and salt exposure while preserving the streetscape's aesthetic.

The Results (10 Years Later)

A decade after installation, the TerraCast® resin base covers remain in excellent condition, showing no corrosion or wear. Maintenance has been minimal, eliminating the need for cleaning or replacements. The city has significantly reduced long-term costs and preserved its streetscape's appearance, demonstrating the success of innovative materials and custom design in solving municipal infrastructure challenges.

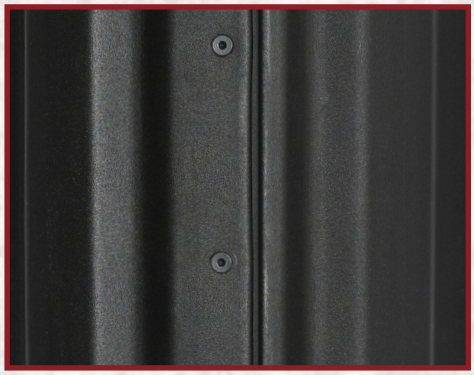
FLUTED SLEEVE

PATENTED

Many cities and municipalities have struggled with accepting straight and smooth monopoles to be erected in their cities to provide their residents with 5G service. Due to the lack of decorative poles having the structural integrity and wind load necessary, many communities have had to settle for these eyesores. The TerraCast® Fluted Sleeve has provided a solution to this problem. Whether it's a new or an existing installation, the sleeve will change a plain smooth pole to a decorative, fluted design without compromising the structure or wind load. The material is made of a color-thru, high-grade polyethylene resin that is UV stabilized to withstand fading, chipping, or peeling. The decorative sleeve will protect the base pole from direct sunlight, which will dramatically extend the life of the pole's surface.

- Neatly fits over TerraCast® or industry decorative bases to conceal the monopole
- Allows your team to cut access points in the field or at your warehouse
- Stack as many sleeves as necessary to conceal the monopole
- Cut to exact size needed
- Lightweight for easy on-site installations

ITEM #	OVERALL HT	POLE DIA	WEIGHT
TC-SLE10	94.5"	10"	33 LBS



SUSTAINABLE BRAND

At TerraCast®, we deeply care about our planet and we are committed to environmentally friendly practices every step of the way from start to finish. We are proud to say that our products can be manufactured using up to 100% recycled content and our manufacturing process is virtually waste free. Our products are 100% recyclable and should never end up in a landfill.

FREIGHT POLICY

All shipments are F.O.B. factory and freight collect. Please see our complete freight policy online at:

https://www.terracastproducts.com/shipping-return-policy/

LIMITED WARRANTY

TerraCast® Products warrants its products to be free from defects and workmanship. Please read our complete limited warranty online at:

https://www.terracastproducts.com/warranties/

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ENDURING.
STRONG.

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