

Stormwater Solutions

**SPANCRETE®**

Building Innovation.™



**RePlenish™**

**Paving the Way In Stormwater Solutions**

*Municipalities, developers, homeowners, contractors and engineers who seek stormwater infiltration, flood management, and contaminant removal solutions are incorporating RePlenish™ into their construction projects.*



### An Industry First

Spancrete® has revolutionized stormwater management with the introduction of a pervious precast system, RePlenish™, that is effective in runoff reduction and filtration, while functioning as a sidewalk, alley, parking lot or other related application. As water flows through RePlenish, it can be collected and reused, filtered before entering a wastewater treatment facility, or it can naturally flow into the earth thereby replenishing aquifers.

Unique only to RePlenish’s multi-mix layered design, the top layer of the product is made of smaller aggregate than the bottom layer. Total Suspended Solids (TSS) are kept out of the system, greatly reducing maintenance.

### Superior Durability

Spancrete uses patent-pending technology, the first of its kind in the industry, to manufacture RePlenish in a controlled environment, under strict quality and performance guidelines. RePlenish meets all freeze thaw requirements for permeable pavements and has been subjected to the most rigorous third party environmental testing methods available.

### Commercial and Municipal Construction

RePlenish solves local, state and federal stormwater regulation requirements. In areas that require large, long, open spaces, such as parking lots and sidewalks, RePlenish offers many benefits over other permeable pavements. Traditional pour-in-place pervious concrete must be sheltered from the elements and cannot be walked or driven upon until curing is complete, typically up to 28 days. RePlenish, however, can be installed in all weather conditions and used immediately after installation.

The unique manufacturing process also offers greater flexibility to cover large surface areas. The slabs are strong and durable, like standard concrete, and yet utilize 15% less material, optimizing production processes and reducing greenhouse gas emissions. Because the slabs arrive ready for use, there is no need to store materials at the jobsite.

### Industry-Leading Infiltration

Higher infiltration rates ensure long-term performance. With RePlenish, expect up to 300 inches/hour for pedestrian applications and up to 500 inches/hour for transportation applications.

1/4" Aggregate in Top 1"

3/8"  
Aggregate  
in Bottom 5"



### Better for the Environment

As stormwater races across paved surfaces such as patios, parking lots and sidewalks on its way to the storm drain, it quickly picks up pollutants and other contaminants. RePlenish features exceptional permeability and filtration – up to 8 inches per minute – to help recharge local groundwater and aquifers, while preventing harmful impurities from entering area sewer and drainage systems.

### Reduced Maintenance

RePlenish’s multi-mix layered design offers patented technology that substantially reduces clogging and makes our system a superior choice for stormwater management. Maintenance is as easy as power washing, vacuuming, and sweeping. Connection points on all four sides adjust to any ground fluctuations.



## Specifications:

- Minimum 4,000 psi compression strength  
(based off average flexural strengths of 500 psi per ASTM C78)
- Infiltration rate of 500 inches/hour per ASTM C1701
- Void Ratio depending on application range from 15-25% per ASTM C1754 (Hardened)



## RePlenish Features:

- Pervious Precast Strength – Exceeds traditional concrete strength
- Withstands Freeze and Thaw
- Industry-Leading Infiltration – up to 500 inches/hour
- Contaminant Removal – Up to 85% of dissolved metals and more than 65% of phosphorous
- Interlocking Hollowcore Sections
- Flood Mitigation – A great way to manage and reduce flood conditions
- Low Maintenance
- ADA Compliance
- Credit for Green Building Standards

## The Spancrete Difference

Spancrete® is making industry-wide advances in stormwater management with an innovative new approach to precast pervious concrete that can be used in a variety of residential, commercial and municipal settings. In addition to being environmentally friendly, effective at reducing runoff and efficient at filtering pollutants, RePlenish™ significantly reduces installation time, offers more versatility, provides consistent quality and matches or exceeds traditional concrete strength.

Spancrete is committed to *Building Innovation™* through solid research and development, as demonstrated by the introduction of RePlenish - the solution for storm and flood water management. RePlenish is superior in strength, infiltration, and contaminant removal.



Spancrete® is *Building Innovation™*.

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