



# Perk-Crete Data Sheet

## Product Description

Perk-Crete is a performance-engineered concrete pavement with an 18-25% void system that allows rainwater to percolate through it. The mix design delivered by Cape Cod Ready Mix represents years of product development and testing. Engineered performance attributes include:

- duty cycle measured in decades
- freeze / thaw protection
- high impact resistance for plow blade protection



- Perk-Crete intercepts stormwater where it is contained, filtered and delivered back to the aquifer as nature intended.
- Performance is achieved in conjunction with the highest levels of “elegance and charm” desired by owners. Perk-Crete pavement is friendly to pets, pedestrians, vehicles and snow plows.
- Perk-Crete concrete solves a real problem for municipalities, owners and builders by providing the most logical, economical and environmental solution for stormwater management.

## Primary Applications

- **Parking Areas**
- **Streets**
- **Plazas**
- **Walkways**

## Environmental Benefits

- Recognized by the U.S. EPA as a best practice for stormwater management
- Eliminates untreated storm water and creates zero runoff
- Directly recharges groundwater
- Mitigates "first flush" pollution
- Protects streams, watersheds, and ecosystems
- Reduces surface temperatures and heat island effects
- Provides a higher albedo surface reflectivity index (0.35 or higher)



## Economic Benefits

- Pervious concrete reduces the need for expensive stormwater drainage and wet pond retention systems.
- Installing traditional curbs, gutters, storm drain inlets, piping, and retention basins can cost two to three times more than low-impact Perk-Crete system for handling water runoff.



## Typical Perk-Crete Material Properties

- Perk-Crete pavement construction properties and characteristics can be designed to meet a wide range of project requirements. The table below provides the performance ranges available to for structural design purposes.

Hardened Perk-Crete Properties	
In-place density	100 to 125 lb/ft <sup>3</sup>
Compressive strength	2,000 to 4,000 lbf/in <sup>2</sup> (typ. 2,500 lbf/in <sup>2</sup> )
Flexural strength	150 to 550 lbf/in <sup>2</sup>
Permeability	2 to 18 gal/ft <sup>2</sup> /min (384 to 3,456 ft <sup>2</sup> /day)

## Freeze-Thaw Resistance

- The strength and durability of pervious concrete makes it resistant to potential cracking from freezing and thawing.
- Structural damage could occur if the pavement's ability to drain water is compromised due to clogging of the void structure.
- If any voids do become clogged, vacuuming or pressure washing of the pavement restores permeability and prevents the potential for freeze-thaw damage.

## Maintenance

- Generally the only maintenance needed is to occasionally sweep, pressure wash, or vacuum the pavement to remove any debris that might clog the voids and inhibit water penetration.
- Reducing erosion and sediment runoff onto the pavement through good design can eliminate most problems.

...visit CCRM online at [www.capecodreadymix.com](http://www.capecodreadymix.com) for more Perk-Crete information or call us: 508-255-4600



## Certified Perk-Crete Installer Program

- Cape Cod Ready Mix in conjunction with the National Ready Mix Concrete Association provides a comprehensive pervious concrete installer training program.



- Certified Perk-Crete contractors bring extensive training and experience to the job site to insure a successful installation.

## About CCRM

- Cape Cod Ready Mix has been serving the S.E. Massachusetts area for more than 60 years and is recognized for superior service and mix quality.
- CCRM goes beyond conventional concrete suppliers to evaluate project requirements and identify solutions for the unique needs of our customers.

