



The Natural Way to Manage Stormwater

The use of pervious concrete is one of the most innovative trends in sustainable construction. StormHandler pervious concrete is a sand-free proprietary mix of cementitious materials, coarse aggregates (gravel and crushed stone) and water that creates a finished concrete with a matrix of 15-25% air voids throughout. These gaps allow water to pass directly through the pavement and into the soil or a recharge base rather than collecting on, or running off the surface. The voids also trap and filter pollutants like heavy metals, suspended solids and petroleum products preventing them from running off into storm sewers, rivers and lakes.



Gaps allow water to pass directly through the pavement.



REASONS TO USE STORMHANDLER

Specifying StormHandler can be advantageous to the owner/developer in a number of ways:

- Meets federal and local clean water regulations. The U.S. Environmental Protection Agency has recognized pervious concrete as a Best Management Practice (BMP) for meeting its requirements.
- Reduces costs. Pervious concrete can reduce or eliminate construction and maintenance costs for drainage systems and retention ponds, sewer tie-ins and parking lot grading. Its 20 – 40 year life span reduces long-term costs as well.
- Provides better land management. The use of pervious concrete parking lots allows the land ordinarily reserved for storm water management or compliance with maximum impervious area ordinances to be developed or preserved.

- Helps gain green building LEED credits. Using StormHandler pervious concrete may help a project gain valuable LEED credits for storm water management (LEED credit 6), reducing the heat island effect (credit SS 7), minimizing site disturbance (credit SS 5) and recycled content (credit M4).

TYPICAL APPLICATIONS

The most common use of pervious concrete is for parking lots. Pervious concrete can also be coloured to fit streetscape and decorative or architectural designs. Designers and engineers are specifying pervious concrete for a surprising number of other applications including:

- Low-volume roads, alleys and driveways
- Sidewalks, patios and pathways
- Swimming pool decks and tennis courts

- Underlayment for playground equipment and turf fields at schools, parks and stadiums
- Pavement edge drains and pervious strips
- Foundations/floors for greenhouses, fish hatcheries, aquatic amusement centres and zoos

StormHandler is the result of years of testing and refining pervious concrete for our local climate. When installed by certified professionals and properly maintained, StormHandler pervious concrete should yield decades of quality usability.

LOOKING TO ADD PERVIOUS CONCRETE TO YOUR NEXT PROJECT?

Contact our StormHandler Specialists for more information and expert design services.

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