



Durable.
Drainable.
Desirable.

Pervious Concrete... A Solution for Michigan.

Naturally...

Reduces Runoff

Protects Streams

Conserves Water

Cleans Stormwater

Replenishes Aquifers

Maximizes Land Usage

Environmentally Friendly



A Solid Choice



Pervious Concrete is an extremely durable material. It has been used in the United States for more than 30 years but only recently has had a sudden surge of popularity. This increase of use is primarily due to increasingly stringent storm water management requirements.

Pervious Concrete is a combination of cement, coarse aggregate and little or no sand. This mixture creates an open-cell pavement that allows rainwater to filter through to underlying soil. By imitating natural ground cover, Pervious Concrete is an excellent and durable choice for storm water management.





Environmentally Appealing...

According to the United States Environmental Protection Agency (EPA), storm water can send as much as 90% of the pollutants – such as oil and other hydrocarbon liquids found on the surface of traditional parking surfaces, directly into our rivers and streams. Pervious Concrete has been recognized by the EPA as a Best Management Practice (BMP) when used to address this important pollution problem. The open-cell structure of Pervious Concrete provides a medium for helpful aerobic bacteria that breaks down many of the pollutants that seeped from parked cars.

Pervious Concrete also helps improve air quality by lowering “Heat Island Effects” that occur with most hard surfaces. Pervious Concrete lowers the pavement temperature on an average of 12 degrees and ultimately reduces ground level ozone by about 30%.



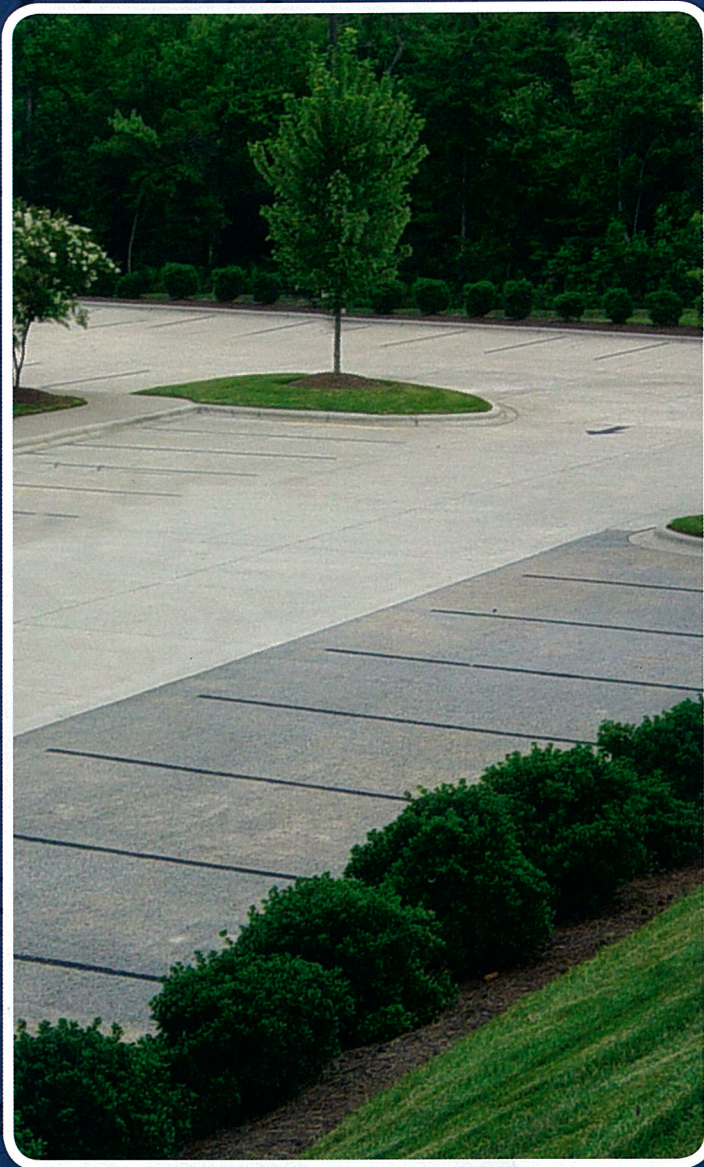
Financially Beneficial...

United States Environmental Protection Agency (EPA) Phase II regulations require owners of new or redeveloped sites of 1 acre or more to have an on-site management system for treating all storm water before it leaves the site. To accomplish this, owners typically find themselves losing 10 to 20% of the site to non-revenue generating detention/retention ponds or other surface treatment devices.

Pervious Concrete can be used as both a parking surface and a storm water treatment system. The use of a Pervious Concrete Parking area maximizes the utilization of commercial property. The land ordinarily dedicated to traditional storm water management systems can now be developed or preserved, enhancing the owners bottom line.

Pervious Concrete is a durable material and properly designed and constructed will last 20 to 40 years with little maintenance. Proving again that concrete, Conventional or Pervious, is the lowest life cycle cost option for your paving needs.

What's in it for you?



Benefits include:

- Reduces environmental pollutants
- Eliminates or reduces the need for storm drains, gutters and curbs
- Reduces runoff
- Water filtration
- Saves money
- Replenishes water tables and aquifers
- Allows for more efficient land development
- Conserves water
- Protects streams
- ADA friendly
- Reflects light and heat
- Durable material



Michigan Concrete Association

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