

# PERVIOUS CONCRETE

## Pervious Pavement Concrete Solution.

### What is Pervious?

Pervious Pavement is a unique cement-based concrete product that has a porous structure that allows rainwater to pass directly through the pavement and into the soil naturally. This is achieved without compromising the strength, durability, or integrity of the concrete structure itself.

The pavement is comprised of a special blend of Portland Cement, coarse aggregate rock, and water. Once dried, the pavement has a porous texture that allows water to drain through it at the rate of 8 to 12 gallons per minute, per square foot. That's impressive considering tests conclude that a square foot of bahia sod drains at the rate of 2 1/2 to 3 gallons per minute. This remarkable flow through ratio inspired us in coining the phrase "...The pavement that drinks water."

### Advantages:

- Available in a many color choices to enable color coordination with buildings and land-scape.
- Meet Storm Water Management & First Flush Pollution Prevention Criteria (Infiltration BMP)
- Light Colored Surfaces Are
  - Cooler - Safer - Energy Efficient (reduced lighting demand)
- Reduce or eliminate storm sewer tie-ins
- Little to no maintenance
- Durable -30 year + life
- No extra SWPP devices
- Reduced grading reduces engineering time and construction time and expense
- Doesn't Pollute
  - The major organic component of parking area runoff is the hydrocarbons (oils) from the asphalt binder of the parking area itself



### Regulatory Compliance

Pervious concrete paving used for infiltration has been accepted by the U.S. EPA as an acceptable alternative to more traditional stormwater pollution prevention (SWPP) BMPs such as grassy swales and drain invert filtration systems.

### "FIRST FLUSH"

**NEW BUZZ WORD** - First Flush Pollution Mitigation, Much like a grassy swale or retention pond, pervious concrete paving mitigates first flush pollution and manages stormwater via infiltration. The large surface area captures and aerobically degrades much of the hydrocarbon residue – the remainder is degraded by soil bacteria.

### Increase Land Utilization for Commercial Sites

What developer doesn't fight to make available and maximize the commercial use of every square foot of their property? Sites designed with Pervious Pavement drives and parking areas will allow you to increase the square footage available for commercial utilization. This ultimately enhances the property owner's return on their investment.

