

POROUS ASPHALT PAVEMENTS



WALBEC GROUP



With proper mix design and routine maintenance, porous asphalt can function for decades and outlast other impervious pavement alternatives in both durability and permeability.

Since 2006, Payne + Dolan has successfully designed, manufactured, and installed porous pavements following the AASHTO Mix Design Methodology and the NAPA guidelines for structural design of permeable asphalt pavements. Porous asphalt is a durable, load bearing, permeable pavement that allows water to move through void spaces within the pavement into the crushed stone base beneath. Surface rainwater can then be stored and infiltrated into the underlying soils slowly.



BENEFITS

- Reduce peak runoff rates and need for retention basins
- Trap suspended solids and pollutants
- Reduce heat island effect
- Reduce costs for storm drains and piping
- Satisfy local green infrastructure requirements
- Aids in the melting and thawing of ice and snow
- Reduce migration of road salts into waterways
- Increase previous areas and groundwater recharge

APPLICATIONS

- Driveways and parking areas
- Greenhouse and mini storage floors
- Parking lanes and alleys
- Patios and outdoor gathering spaces
- Pavement edge drains
- Sidewalks and pathways
- Slope stabilization
- Tennis and sport courts

