PECKHAM ROAD CORP.
A PECKHAM FAMILY COMPANY

438 Vaughn Road, Hudson Falls, NY 12839
Tel: 518.792.3157 Fax: 518.792.3138
www.peckham.com

Porous Asphalt Pavement

Peckham Industries, Inc. designs and produces a wide variety of mixes at our network of blacktop plants including hot mix pavements that are permeable allowing water to drain through them, rather than run off them. Porous, permeable, pervious are all names synonymous for this type of pavement that helps to prevent erosion and control the dispersion of pollutants into the environment. Porous pavement should not be utilized in lieu of conventional paving materials for typical paving operations and should be designed and used only in the proper application.

How It Works

Porous asphalt pavement is a carefully designed product containing air voids in the range of 20%; by contrast, a typical pavement has air voids of 4%. These air voids allow water to infiltrate the pavement and flow down through the blacktop into a porous sub-base structure below. Often this porous sub-base structure is a thick crushed stone layer that creates a kind of reservoir under the pavement. The porous pavement is designed by our quality control staff using an open aggregate gradation meaning the ratio of course to fine aggregate is greatly increased. In addition, sand and filler are removed from the mix and replaced with coarse aggregate aiding in the creation of the air voids. To maintain the strength and integrity of the open graded pavement it is necessary to add cellulose fibers and polymer modified asphalt. Materials and gradation tolerances are monitored closely during production by our quality control personnel. The lay down process for this product is like working with conventional pavement. Typically lift thickness is greater than with conventional mix and care must be exercised during placement and compaction. Another advantage to porous asphalt pavement is that “birdbaths” do not occur which often form in conventional pavements.

As storm water runoff becomes more and more regulated there is a continuing need to develop products and technologies to aid project owners, architects, and engineers with this issue. Parking lots are often the major contributor to the storm water runoff encountered on a typical building site. Porous asphalt pavement permits the designer to control the sheet flow of water that flows from a typical parking lot during rainstorms and from snow melt by allowing water to flow through it rather than over the top of it. By preventing the water from “sheeting off” you can reduce runoff into waterways or into streets which eventually flow to those same waterways. The porous pavement controls the dispersion of the storm water and the pollutants contained therein.

The Peckham Way

Peckham Industries, Inc., through its various family companies, has dedicated itself to delivering the highest quality materials and custom solutions to thousands of road construction and maintenance customers, like you, for over 99 years and promises to continue this reputable tradition far into the future. We are committed to utilizing new technologies, developing new standards, and employing motivated, knowledgeable professionals to gain your trust and continued satisfaction as a customer. To learn more about our company and liquid calcium chloride, please contact your local sales representative or visit our website, **www.peckham.com**.