

# Flexible Porous Paving Specifications

## Section \_\_\_\_\_

### 1. GENERAL

- 1.1. The Flexible Porous Paving shall be made from recycled passenger tire crumb and crushed stone bound together by a urethane binding agent as supplied and installed by Northeast Porous Paving. Website link - [www.northeastporouspaving.com](http://www.northeastporouspaving.com).
- 1.2. All components, materials and compounds shall be sourced and manufactured in the USA.

### 2. SUBMITTALS

- 2.1. At the request of the engineer of record the manufacturer shall submit;
  - 2.1.1. A sample that reflects the characteristics and color of the material to be installed at the project location. The sample, upon approval, shall be maintained as the standard of minimum quality for the proposed surfacing and paving work required for the project.
  - 2.1.2. Examples of similar projects, completed in the last 5 years, that are within 150 miles of the current project location. Examples will include project description, square footage installed, photographs and references.

### 3. INSTALLATION

- 3.1. The manufacturer shall;
  - 3.1.1. Furnish all labor, materials, tools, equipment, and incidentals required to install the Flexible Porous Paving.
  - 3.1.2. Submit to the owner a current Certificate of Insurance prior to commencing work at the project site.
  - 3.1.3. Provide an adequate number of skilled workers who are trained and experienced with installing Flexible Porous Paving and are familiar with the specified contract requirements and the methods needed for its installation.
  - 3.1.4. Install the Flexible Porous Paving to the depth and width as described in the project specifications and shown on the contract drawings over the crushed stone aggregate base provided by others.
  - 3.1.5. Reduce the risk of damage to the Flexible Porous Paving surface by not allowing track vehicles (metal or rubber), forklifts (warehouse-variable reach), main lifts (booms or scissors), and/or dumpsters or roll-off containers on the Flexible Porous Paving either during or following installation. Any explicit or implied warranty is voided through failure to comply with this section.
  - 3.1.6. The owner or general contractor will provide cones and tape off the area following installation to prevent damage to the Flexible Porous Paving surface while curing.

### 4. PRODUCTS

- 4.1. Crushed Stone Sub-Base;
  - 4.1.1. For load bearing applications Flexible Porous Paving shall be installed over a minimum of 4" of compacted crushed stone aggregate to a density of 95% minimum.
  - 4.1.2. The sizing of the stone and base soil will directly represent the desired "Curve Number" (percolation rate) required.
- 4.2. Flexible Porous Paving.
  - 4.2.1. The total area to be surfaced with Flexible Porous Paving shall be ????? square feet.
  - 4.2.2. Flexible Porous Paving shall be mixed and installed in accordance with the manufacturers written instructions to an average depth of 1.5"-2.0" over the crushed

stone aggregate sub-base.

- 4.2.3. The Flexible Porous Paving shall be **Black / Cypress / Redwood / Bark Brown / Green** in color.
- 4.2.4. The Flexible Porous Paving shall be mixed with a moisture cured urethane binding agent based on MDI Polyether Polyols and shall be free of extender oils to prevent leaching over time. Binders that use extender oils will not be acceptable.
- 4.2.5. The Flexible Porous Paving shall be cured and fit for use within 12-24 hours depending on ambient temperature.

## 5. PROJECT CONDITIONS

- 5.1. The manufacturer shall provide appropriate and adequate protection to adjacent areas including but not limited to:
  - 5.1.1. Protection of adjacent workspace from splashing of Flexible Porous Paving materials.
  - 5.1.2. Remove all stains from exposed surfaces of paving, structures, and grounds.
  - 5.1.3. Remove all waste materials and trash.
  - 5.1.4. Provide suitable protection to assure no damage or disturbance to existing improvements or vegetation before starting work and maintain protection throughout the course of the work.
  - 5.1.5. Restore and repair areas, at no additional cost to the owner, that have been damaged as a result of installing the Flexible Porous Paving, including existing paving on or adjacent to the site, to their original condition or repair as directed to the satisfaction of the Owner's Representative.

## 6. WEATHER

- 6.1. Flexible Porous Paving urethane binder is engineered and selected based on the geographical location of the project and climate expectations during installation. The manufacturer will select and provide the appropriate binder for each installation.
- 6.2. Flexible Porous Paving shall not be installed when the ambient air temperature in the shade near the installation site is above 110° F or below 50° F. Temperatures below 50° F can extend the curing time and would fall outside of normal "use ready in 24 hours" guidelines.
- 6.3. The urethane binder shall be stored between 59°- 77° F and used within 6 months of delivery.
- 6.4. The Manufacturer shall not pave on days when rain is forecast, unless a change in the weather results in favorable paving conditions as determined by the Owner's Representative.
- 6.5. In the event of rain on days prior to installation, the sub base must be dry and not contain any standing water.

## 7. WARRANTY

- 7.1. The Flexible Porous Paving shall have a material warranty of 12 months from the date of installation.
- 7.2. The Warranty shall be issued on completion of the installation and final inspection.