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GREEN SOLUTIONS

*Systems, products, know-how  
for a better environment*



# POROUS PAVE

**ECOFRIENDLY POLYMERIC BINDER  
FOR NATURAL DRAINING PAVEMENTS**





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## **Draining. Eco-friendly. Aesthetically pleasing.**

These are just three of the features of the natural pavements that our product **Porous Pave** can realize.

**Porous Pave** is an **eco-friendly binder based on a polymeric resin** for the realization of **functioning, draining and aesthetically pleasing pavements** that add value to the environment in which they are inserted. **Porous Pave** can be mixed with chips of different sizes (4-8 mm) and colorings, thus allowing the creation of the most suited pavements for each context.

The aggregates mixed with **Porous Pave** are carefully selected to provide an adequate strength and hydraulic properties. This mix can be applied directly on the soil (properly prepared) or on the existing pavement.

**Porous Pave** has been **designed to realize pavements** such as cycle pedestrian lanes, yards, walkways, shopping centers, golf cart paths, pedestrian patios, terraces and roofs, pool pads and flowerbeds.

## POROUS PAVE BENEFITS

- ✓ Completely **eco-friendly, fireproof and non-toxic**, so the rainwater that passes through the natural chip mixed with Porous Pave doesn't need to be treated again.
- ✓ **Its porosity does not modify the natural drainage capacity of the aggregates**: the water passes through the surface, thus avoiding damages.
- ✓ It does **not require** concrete, fibers or electro-welded grids.
- ✓ It allows to **build 3-5 cm thick pavements**.
- ✓ **It keeps the natural color of the chip**.

- ✓ It reflects the sunrays and **it doesn't overheats**, thus avoiding the creation of heat.
- ✓ Thanks to its porosity, **it doesn't freeze** so it prevents the creation of slippery surfaces.
- ✓ It can be used with **both round and crushed chips**.
- ✓ **Easy and fast to apply**: after mixing Porous Pave with the chip, it is applied onto the existing surface and compacted.
- ✓ **MINIMUM MAINTENANCE**: it doesn't need extraordinary maintenance or detergents for the cleaning (just water).











## The soil under **POROUS PAVE**

The **base course** ① is usually composed by *crushed chip* of good structural quality with a particle range of 9-25 mm, with less than 5% fines and **with a thickness of about 150 mm**.

The base course shall have a field CBR value of at least 85% or be compacted to attain at least 95% of maximum density (*Standard Proctor*).

Above the base course there has to be a **choker course** ② of about 35 mm composed of *washed crushed chip* with a particle range of 6-9 mm.

The soil under **Porous Pave** has to be draining in order to permit the right water outflow.



INITIAL SITUATION



PHASE 1 > MIXING CHIP WITH POROUS PAVE



PHASE 2 > APPLICATION



PHASE 3 > COMPACTION



FINAL RESULT

DETAIL



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