

Combine design and function

## SUPERIOR PAVEMENT SYSTEM

Interlocking Concrete Pavement System (ICP)



### ADVANTAGES

#### PERFORMANCE IN COLD CLIMATES

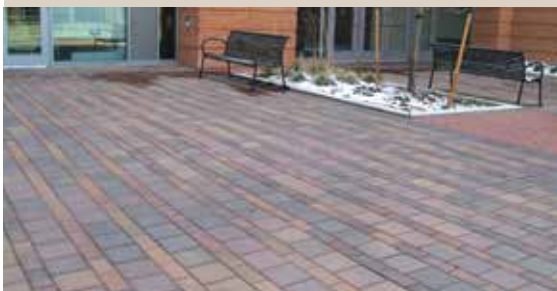
ICP does not crack or heave in the winter, so there is no need to seal or fill in holes in the spring. The same plowing method that is used for cement and asphalt roads is used on the pavers since there is a chamfered edge.

#### LIFELONG PAVEMENT

Borgert ICP can be designed to last over 50 years. The wearing course does not fade, crack or erode and the base can handle decades of stress. Individual pavers or sections of base can be easily replaced or repaired to restore the system to its original form.

#### FUNCTIONAL DESIGN

Contrasting paver colors can be used to delineate lines and spaces, eliminating the need to paint and maintain lines. They can designate parking spaces, crosswalks, boundaries and more.



#### EASY MAINTENANCE

Utility lines existing beneath the system can be accessed by unzipping the pavement and then replacing the same pavers when finished. There is no curing time following any repairs. Individual pavers or sections can be seamlessly restored.

### WHAT IS ICP?

Interlocking Concrete Pavement (ICP) has been used for 1000s of years. The system has stood the test of time, with some roads in Europe still in place over 100 years. It is comprised of a base and a wearing course of individual concrete pavers. The base is similar to the base for other pavements, but with a sanding bed and joint material. The pavers sit on the sanding bed, connected by the material in the joints. This creates the interlock, preventing the pavers from moving independently in any direction. The result is a flexible, durable pavement. A load applied to the surface is distributed throughout the system, which can withstand a range of stresses from pedestrians to trucks to airplanes. The flexibility allows the pavement to withstand stress without cracking or breaking. The individual pavers are manufactured to withstand stress, freeze-thaw cycles, and other elements.



### WHEN TO USE ICP?

- Plazas and Entrances
- Sidewalks and Streetscapes
- Roadways
- Intersections
- Parking Lots
- Public Transit Stations
- Driveways



### WHY IS BORGERT BETTER?

Borgert Products manufactures the pavers in St. Joseph, MN using aggregates from local quarries. We are unique because we use granite in our mix. Granite is an angular, strong aggregate, second only to diamond in its strength. This creates a very dense paver that is resistant to the impact of deicing salts, freeze-thaw cycles and stress. Borgert pavers are made to surpass industry standards, able to withstand heavier loads and less susceptible to cracking due to the impact of freezing.



# Interlocking Concrete Pavement System (ICP)

## BEDDING SAND

Coarse, angular, washed concrete sand. Particle sizes ¼ inch to 75 microns, 1- 1 1/2 inch thickness.

## JOINT SAND

Finer than bedding sand, typically mason sand or sand used to make mortar. Finer particles help create the lock in the pavement and prevent water from infiltrating.

## COMPACTED AGGREGATE BASE

Thickness varies according to application (4-6 inches).



## EXCEEDING INDUSTRY STANDARDS

### Borgert Result

13,000 psi

2.5% Absorption

### Standard

8,000 psi

5 % Absorption



## ENDLESS DESIGN POSSIBILITIES

We offer a range of shapes, patterns, colors and textures to accommodate any design. We have developed our own, unique color blends, a range of solid colors and can match special colors as well. With the addition of our tumbling process, any look can be achieved in any situation.



## BORGERT PRODUCTS

Company and Manufacturing

Borgert Products was established in 1923 in St. Cloud, MN. It continues to be a family-owned business. We began manufacturing pavers in the 1970s and were one of the first to do so in the Midwest. In 2009, an additional yard opened in Colorado.

Borgert is affiliated with UNI-Group, ICPI and Pave Tech. These associations allow us to remain connected to the latest developments, studies, and specifications for ICP.

### MEMBERS:

