The Belden Brick Company presents pedestrian-friendly storm water management fired clay permeable pavers called Belden Brick Permeable Pavers. Belden Brick Permeable Pavers is the only clay permeable paver currently on the market that can be used for machine installation. The smooth, flat surface created using Belden Brick Permeable Pavers meets ADA standards and is a superior choice for areas with high foot traffic. It is ideal for plazas, walkways, entrances and parking lots and qualifies for additional LEED Certification Categories.

Use of Belden Brick fired clay pavers as the wearing surface provides aesthetic quality, strength, and durability. They are cost-effective, easily installed, and low maintenance. Belden Brick Permeable Pavers can also be a strategic component of sustainable design practices for a project based on its permanent color and solar reflectance index.
Advantages of Belden Brick Permeable Pavers

They can be designed to handle the impact of 100-year storm and provide microbial action to break down contaminants.

Temporal cross section provides for natural melting of snow and ice, thus less use of salt yielding lower costs and maintenance. Again, use of fired clay pavers in these permeable paving designs is a viable approach in attaining the desired benefits of the system. Paver units having lugs or perimeter geometries to increase pores in the paving surface can effectively handle the worst of storm events. Typically, a fired clay paving surface having 8% - 12% void area will provide for the effects of the 100-year storm.

Belden Brick Permeable Pavers are packaged in a way that allow layers of units to be lifted and set mechanically. They can be hand installed or installed by machine for larger jobs to drastically reduce labor costs. Belden Brick Permeable Pavers meet or exceed the severe weather requirements of ASTM C 902 or ASTM C 1272 depending on traffic type and loading.

Belden Brick Permeable Paving is engineered to accept, filter, drain, (possibly) collect, and ex-filtrate storm water through the system components. Belden Brick Permeable Pavers are specifically designed and manufactured for permeable paving. Belden Brick Permeable Pavers is color fast, durable under the affects of freeze thaw action and easily cleaned due to their low absorption properties.

BIO-AQUIFER STORM SYSTEM™

A. BELDEN CLAY PERMEABLE PAVER
B. 1/4" VOID FILLED (ASTM D448 #8 OR #9)
C. 2" SETTING BED (ASTM D448 #9 or #9)
D. 4" BASE (ASTM D448 67)
E. 12" SUB BASE MINIMUM (ASTM D448 2)
F. SUB GRADE

Sustainable Advantages:

Belden Brick Permeable Pavers can be a part of sustainable design for projects. In applying the principles of permeable pavements on a project, several sustainable design categories can be affected. In the case of LEED projects, permeable pavements can add credit in the categories of: Sustainable Sites, Water Efficiency, and Materials and Resources, depending on the design strategies selected. These advantages make fired clay pavers a natural choice in permeable pavements servicing walkways, driveways and parking lots.


Benefits

BENEFITS OF OUR PAVERS:

- Belden Brick Permeable Pavers are available in extruded (machine settable) and molded (cannot be machine installed).
- Can be used to meet EPA storm water requirements.
- Provides ADA compliant surfaces with minimal openings to make walking more comfortable.
- Allows for rapid removal of storm water through void openings.
- Eliminates standing water in places and walkways without slipping.
- Maximizes design flexibility by enabling a wide range of creative patterns.
- Available in several colors for design flexibility.