

## FIRST COMMERCIAL INSTALLATION UTILIZING PMET STRUCTURAL PRODUCT TECHNOLOGY

Pittsburgh Mineral & Environmental Technology (PMET) has developed the Brixx technology to produce strong, environmentally safe, green structural products from a variety of waste materials. Key aspects of the technology are: economy of production, environmentally benign products and process, very high utilization of the by product in the mix, adaptable to a wide variety of feed materials.

### Advantages Of Brixx Process

- 💧 Brixx is made up of 90% recycled materials
  - Fly Ash (Power Plant Waste Product)
  - Aggregate (Bottom Ash from Power Plant)
  - Iron Oxide for Pigment
  - 100% Recycled Product when using Recycled Lime Products
- 💧 Ability to utilize Fly Ash with LOI > 3%
- 💧 Uses less Energy than Clay Brick Production
- 💧 Releases less Emissions than Clay Brick Production
- 💧 Exhibits Strengths Similar to or Better than Commercially Available Pavers & Bricks
- 💧 Modular Production Results in Uniform Sizes
- 💧 Is extremely energy efficient consuming only 10-30% of energy consumed in the traditional manufacturing of bricks and pavers
- 💧 Involve a chemical reaction during the process which surrounds and encases each particle and prevents leaching of any heavy metals into the environment
- 💧 Does not generate any secondary solid, liquid, or gaseous waste streams
- 💧 Is capable of recycling 100% of any “off spec” products back into the production process
- 💧 Pending LEED approval
- 💧 Products can be shipped immediately, no costly time-consuming curing



## PRODUCT USE APPLICATIONS:

The products have found usage in traditional applications, such as face brick for the construction of apartment complexes, pavers, and in retaining walls.



**APP BRICKS – SECURITY ROOM  
AT ASH PRODUCT PLANT**



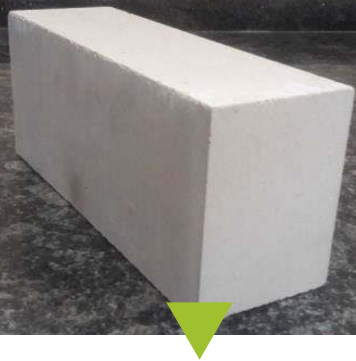
**APP BRICKS –  
FOR WORK SHOPS**



**APP BRICKS – VOCATIONAL  
TRAINING INSTITUTE**



## ASH PRODUCTS



**BRICK  
230x110x70**



**PAVER  
225x225x80**



**PAVER  
225x112**



**APP BRICKS – DIVIDER  
ON HIGHWAYS**



**APP BRICKS – DIVIDER  
ON HIGHWAYS**

**For More Information Contact PMET**  
[www.pmet-inc.com](http://www.pmet-inc.com)