Expanded-polystyrene-eps-concrete-epscrrete

Expanded polystyrene (EPS) concrete

Expanded polystyrene (EPS) concrete (also known as EPScrete, EPS concrete or lightweight concrete) is a form of concrete known for its light weight made from cement and EPS (Expanded Polystyrene). It is a popular material for use in environmentally "green" homes. It has been used as lightweight concrete dividers, partitions wall, sandwich panels, road bedding, in soil or geo-stabilization projects and as sub-grading for railroad trackage.

![EPS concrete sheet](image1)
![EPS balls panels](image2)
![Expanded polystyrene](image3)

It is created by using small lightweight Styrofoam or EPS balls as an aggregate instead of the crushed stone that is used in regular concrete. It is not as strong as stone-based concrete mixes, but has other advantages such as increased thermal and sound insulation properties, easy shaping and ability to be formed by hand with sculpturing and construction tools.

![Styrofoam concrete](image4)
![Sandwich wall division](image5)
![EPScrete wall panel](image6)

EPS concrete combines the construction ease of concrete with the thermal and hydro insulation properties of EPS and can be used for a very wide range of application where lighter loads or thermal insulation or both are desired.
Expanded polystyrene (EPS);

Solid foams: