

Insulitte lightweight insulation concrete

The technology, Insulitte – Lightweight Insulating Concrete, is a component of ready-mixed concrete, used as aggregate in a concrete mixture. Insulitte is a unique formula composed of naturally occurring puffed siliceous material (using agro waste), blended with fibrous polymer liquid and air entraining agents, engineered for lightweight aggregates.

The benefits of Insulitte are that it makes an excellent competitive choice for many construction applications. For its insulating properties, the K value of 0.15 is competitive with Perlite and Vermiculite while cost is more than 1/3 less. Insulitte is a production product with several field-tested, commercial installations in place.

Insulitte is a component of ready-mixed concrete. Ready-Mixed Concrete is a term used for any concrete mixed onsite or in transit to a construction site. The latent demand for ready-mixed concrete worldwide is estimated to be \$104 billion USD in 2006 and projected to grow to \$131 billion by 2011.1 Within the US alone, the National Ready-Mixed Concrete Association estimates the market to be worth \$30 billion USD.

Salient features

- Organic or green product
- The product is derived from agro-waste, so the origin is natural and requires no process activity to manufacture
- Price competitive
- The product provides good insulation for buildings

Areas of application

- Construction particularly green buildings

End users

- Construction industry
- Green building architects
- Structural designers
- Builders and civil contractors