

Gypsum-Vermiculite-Fly Ash Light Weight Plaster

Technology in Brief

Gypsum-Vermiculite-Fly Ash Plaster (GVFAP) is a premixed lightweight plaster essentially consists of β -hemihydrates plaster, fly-ash and vermiculite. It is characterized by low density and high thermal insulation properties and can be readily used for interior applications in buildings as single coat plaster in interior of the buildings.

Salient Features/Advantages

- Compressive strength > 6MPa, Water absorption 30-40%, Consistency 60%, Setting time 25-30 min.
- High coverage, Light weight, Resistance to cracking, Low thermal conductivity, Eco-friendly, Fire resistant, Sound resistance, Economical.



Application of Gypsum Vermiculite Plaster

Properties & Standards	Meets requirement of IS:2547 (Part-II)-1976
End Product(s)	Light Weight Plaster
License/Commercialization	M/s Sakarni Plaster India Pvt. Ltd., New Delhi
TRL	8
Environmental Impact	Waste Materials of thermal power plant like flyash and gypsum is used for the development of this plaster
Setup - Equipment required	Ribbon Mixture, Ball Mill, Gypsum Calcinator
Linkedin Video Link	https://www.linkedin.com/posts/csircbri_csircbri-sustainableconstruction-lightweightplaster-activity-7414177928323719168-gNbX?utm_source=share&utm_medium=member_desktop&rcm=ACoAAD_9kj4B2jUfyt81pCfAlZ1Ld-pdHpEo7m4
Youtube Video Link	https://www.youtube.com/watch?v=Uy3UWSmlPul