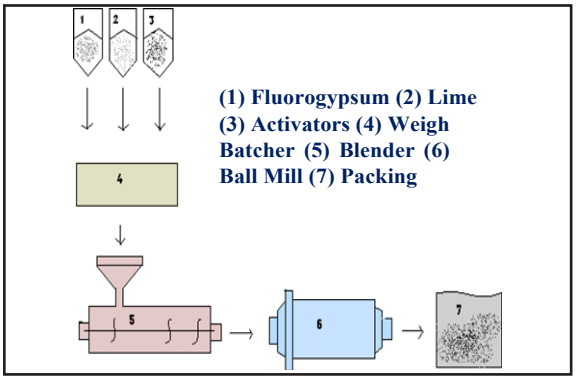
Formulation of High Strength Plaster from Fluorogypsum

Technology in Brief

Fluoro-Gypsum is available in anhydrite form as product hydro fluoric acid industry. After neutralization, fluoro-gypsum dried at 45 + 2˚C, and ground in the ball mill to a fineness of 95% passing through 90-micronsieve. The ground material blended with the chemical activators. The mortars of mix proportions 1:1, 1:2 and 1:3 prepared at mason consistency to plaster the brick wall.

Salient Features/Advantages

- Waste gypsum utilization, conserve natural resources, sustainable technology.
- High compressive strength.
- Low water absorption (<5%) & Porosity (<10%).
- Possess fire resistance & good acoustic properties.
- Plaster develop adequate strengthen & hardness in 24 hours.



Raw Materials	Fluoro-gypsum (waste of hydrofluoric acid industry)
End Product(s)	Plaster (Blocks, Walls Panels, Tiles)
License/Commercialization	M/s Navin Fluorine International Ltd., Surat
TRL	8
Environmental Impact	Conservation of natural resources, Waste utilization, Energy saving
Setup - Equipment required	Ball Mill/Vertical Roller Mill, Oven etc