

# PRATLIPERL®

## THE MODERN SOLUTION FOR ENERGY EFFICIENT BUILDING

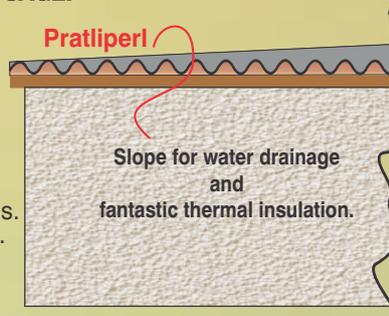
Pratliperl, when mixed with cement, produces an eco-friendly, ultra lightweight, thermally insulating & fireproof concrete.

### BENEFITS:

- Exceptional thermal insulation.
- Energy saving “green” product.
- Ultra lightweight; reduces high rise structural building costs.
- Nailable.
- Completely fireproof.
- Durable.
- Good acoustic properties.
- Easy to apply.
- May be gunited when applied to large surfaces (e.g. mine tunnels).

### SOME EXAMPLES OF PRATLIPERL USAGE:

- Thermally insulating and fireproof wall plaster.
- Ultra lightweight concrete, bricks and boards.
- Underfloor insulation and insulated roof decks.
- Lightweight screeds on corrugated iron or concrete roofs.
- Fire proofing structural steel columns.
- Insulating industrial cryogenic tanks.
- Loose fill thermal insulation in wall cavities.
- Pizza oven liners.
- Lightweight tile adhesive filler.



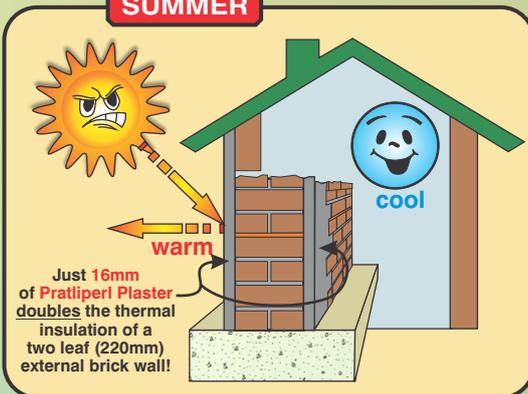
Use Pratliperl to render your buildings SANS 204 compliant.



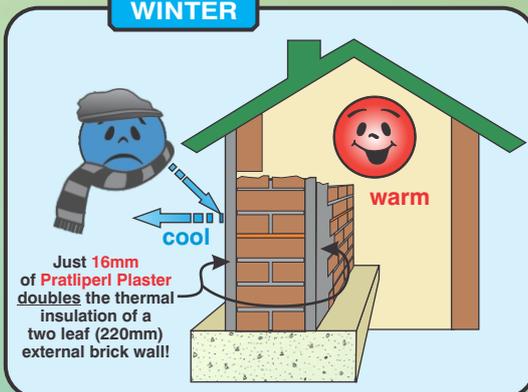
### PROPERTIES:

- **Excellent Thermal Insulator** - As a result of Pratliperl's low density and physical structure, it keeps your house warm in the Winter and cool in the Summer.
- **Resistant to Spalling** - Under fire conditions and, more severely, under water quench conditions (e.g. from a fire hose) following extreme heat, conventional concrete will spall and lose its integrity. Pratliperl remains intact.
- **Superb Strength** - Once cured, Pratliperl has superior strength when compared to ordinary lightweight concretes.
- **Compatible with Cement and Other Binders** - Pratliperl mixed with cement (and many other binders) can produce ultra lightweight panels, boards, bricks and blocks that can be cut, nailed and drilled.
- **Non-toxic and Completely Environmentally Friendly.**
- **During a Fire, Pratliperl Will Not Spall nor Release Smoke or Toxic Fumes.**
- **Exceptional Fire and Heat Resistance** - Can withstand temperatures up to 1250°C without losing its structural integrity.

#### SUMMER

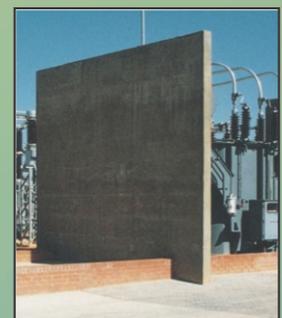


#### WINTER



Pratliperl used to insulate Cryogenic tanks

Fire Resistant Pratliperl wall between transformers



Eco-friendly