



# BARIUM PLASTER

Aug-10

## CHEMICAL COMPOSITION

Barium Sulphate

## TYPICAL CHEMICAL ANALYSIS

80-87%
8.9%
5.65%
0.7%

## TYPICAL PHYSICAL PROPERTIES

Pale Pink
7.9
2.56-2.64g/cm <sup>3</sup>
>3.9
8.0%
3.0-3.5
100% < 1.0mm

## APPLICATIONS:

As a plaster for use in X-Ray rooms. Thickness of normally between 10 and 30mm required. It is important to use a plaster primer (plaster key) apply on wall and use in Barium Plaster cement mix.

## PREPARATION AND APPLICATION INSTRUCTIONS

**PREPARATION:** 5 parts Barium Plaster grade and 1 part cement by weight. Add water to obtain the normal consistency of a wall plaster.

**APPLICATION:** Work the Barium Plaster mixture on the wall in layers not more than 6 - 7mm thick at one time, until the required thickness is obtained. It is important that each layer be well floated while drying to prevent formation of cracks.

**NOTE:** For general diagnostic X-Ray work the thickness requirements for Barium Plaster normally lie between 10 and 30mm.

**COVERAGE:** 50Kg of the mix – 5 parts Barium Plaster and 1 part of cement can cover 1m<sup>2</sup> x 25mm thick.

Ba <sub>4</sub> SO
SiO <sub>2</sub>
Fe <sub>2</sub> O <sub>3</sub>
LOI

Natural colour
pH
Bulk density (g/cm <sup>3</sup> )
SG
Oil absorption
Hardness (Mohs)
Grading