

Proplaster Antiradiant 100

Barium Plaster Radiation shield

Description	<p>It is a radiation shield plaster for brick, concrete floor, walls, and ceilings with a consistency of 2-mm. Pb equivalent.</p> <p>It is (2 – 3 cm) thick for walls & for floors (6 - 10 cm thick).</p> <p>It complies with EN DIN 6812</p>
Where to use	<ul style="list-style-type: none"> • X-ray, Radiology & Radiographic imaging rooms. • Dental X-Ray. • Mammography. • MRI or Radiofrequency rooms. • Ultrasonography / Ultra Sound Rooms
Advantages	<ul style="list-style-type: none"> • Protection against X-rays. • Smooth & solid surface. • Paintable. • Economic (60% less than lead). • Safe & Lifetime. • Protection against radioisotopes.
Properties	
Color	White, Grey
Sp. Gr.	2.4 ±0.2
Pot Life	1 Hour.
Compressive strength 28 days	14 - 17 N/mm ²
Drying Time:	
• Initial	1 -2 Days
• Final	7 Days
Radiation Transmission %	0% (50 KV)
H.V.L.	2.5 - 3.1 mm. (100 KV)
Radiation Transmission %	1.34 - 2.86 % (100 KV)
Lead Equivalent	0.4 - 0.7 mm. (100 KV)
Surface Preparation	<ul style="list-style-type: none"> • The surfaces must be clean, and sound. • Remove all dust, oils, loose particles impurities completely. • Wet dry surfaces
Mixing	<ul style="list-style-type: none"> • Add (4 - 5 L water) to 25 Kg. • Sack of material and mix thoroughly (400 rpm) to obtain a homogenous mix.
Application	<ul style="list-style-type: none"> • Apply the material on the walls, and columns, and sealing in layers not more than (12 mm thick) at one time with a trowel. • Each layer must be wet floated while drying. • Sockets must be blocked with lead. • Floor ducts must be backed with lead strips. • Leave to dry for 24 - 48 hours.
Theoretical coverage	25 Kg /m ² /cm thick
Packaging	25 Kg Sacks

Shelf life & Storage	One year in its sealed packs stored under proper conditions
Health and Safety	<ul style="list-style-type: none">• Use goggles, gloves and a breathing mask when applying.• Apply forced ventilation in confined spaces.• Remove splashes from the skin with hand cleaner or soap and water.• Eye splashes are to be washed with plenty of water.
Additional Information	<p>PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure.</p> <p>PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range for our customer's satisfaction.</p> <p>PROKEM reserves the right to change the properties of its products.</p> <p>All orders are accepted subject to our current term of sale & delivery.</p> <p>Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.</p> <p>PROKEM extends technical services to include after-sales support to assist users in the proper handling of our products.</p>