



Siam Gypsum

Elephant Gypsum Board



Standard

Heat**Bloc**








Moist**Bloc**

Fire**Bloc**

Echo**Bloc**



Features of Elephant Gypsum Board

Features	Elephant Gypsum Board
Fire Resistance	 <p>Equipped with fire-resistant capability, Elephant Gypsum Board is designed to provide the resistance to fire for 1/2 - 4 hours and block the flame from spreading to the attached room. **FireBloc sheet provides the extra fire resistance rating.</p>
Heat Penetration Control	 <p>Elephant Gypsum Board transmits low heat and provides perfect insulating property which could reduce heat generation and energy consumption of air conditioning system. Besides, the Micro-fiber insulation could be additionally installed in contact with ceiling to further increase the thermal quality. **HeatBloc sheet provides extra heat penetration control capability.</p>
Sound Absorption	 <p>With sound absorption capability, Elephant Gypsum Board can be applied as ceiling and wall to retard the penetration of 35-60 decibel noise.</p>
Easy & Quick Installation	 <p>Elephant Gypsum Board could be used as both Wall and Ceiling without the need for beam installation. Set up through the drywall system, it can be quickly installed, leaving no dust to the area. Besides, the repair or demolition work could be also simply processed at minimum disturbance to other areas, even the occupied ones.</p>
Plain surface allowing maximum design flexibility	 <p>Setting up Elephant Gypsum Board can be quickly completed only after sealing the joints with Elephant Gypsum Compound and painting, or just covering the surface with wallpapers. The plain surface of Board further permits the maximum flexibility to create any ceiling shapes, such as stepped or vaulted, as well as to be applied in any areas.</p>
Durability and Light Weight	 <p>The high strength feature offers the durability in any climates to Elephant Gypsum Board. Furthermore, it is 5 times lighter than the brick wall which could help reducing the structure base of the construction when installing the Board.</p>
No health hazard and Eco Friendliness	 <p>Even at high temperature or upon fire burning, Elephant Gypsum Board will not emit poisonous gas as it is formed up with Gypsum Mineral which could prevent the known health hazard. Moreover, it could be re-used without any effect towards the environment.</p>

Elephant Gypsum Board

Properties

Standard and Test

Standard



Fire resistant with heat and sound transmission control. Smooth, beautiful, yet highly functional surface. Easy cut for quick installation. Guarantee no health hazard.

Certified ISO Standard TIS 219-2552 and manufactured in accordance with ASTM C1396, BS 1230

Standard Type

HeatBloc



Extra heat penetration control with metalized film firmly bonded to the back side to provide 86% reflection of thermal radiation, allowing comfort temperature level in the area.

In test conducted according to JIS R 3106 to check the reflective value of sun ray and ASTM C36 and BS 1230 to check the reflective value of heat

Metalized Film Laminated Type

MoistBloc



Extra moisture resistance with mixture of non vapor absorption material. Green facing paper encased to withstand the effect of moisture and high humidity.

Moisture absorption level of less than 5% in accordance with BS 1230 Standard

Moisture Resistant Type

FireBloc



Greater resistance to fire formulated by adding noncombustible fiber to the gypsum and encased with pink glutinous compressed paper to enhance its strength. Manufactured to provide fire resistance rating from 1/2-4 hours.

Designed to resist fire in accordance ASTM E119, BS 476 PART 22

Fire Resistant Type

EchoBloc



Capability to reduce echo and absorb sound through the circle and square holes and bonded to back side with Glass Matt. Achieve sound absorption rating of NRC 0.65-0.80

Tested the sound absorption capability according to NFEN 20354 and ISO/DIS 11654

Sound Absorption Type

Gypsum Board Installation Tips

For Partition

1. The length of screw for fixing Gypsum Board to metal stud is equal to the thickness of Gypsum Board plus 10 mm.
2. The thickness of the metal stud should be 5.5 mm.
3. The vertical metal stud should be set in the same direction.
4. If there is a joint, the strength at the joint is lower.
5. If the width of the partition is above 15 m., at every 15 m. interval an expansion joint must be used in order to prevent cracking.
6. Always leave about 10 mm. space from the floor to prevent dampness.
7. In high humidity area, especially in the kitchen or bathroom, U-line stud which is laid on the floor should be wrapped with plastic sheet before installation. The Moisbloc is the most suitable for this purpose.

For Ceiling

1. If the length of the concealed ceiling is above 15 m., at every 15 m. interval a 10 mm. space must be left in conjunction with the expansion joint to prevent cracking.
2. For the room requiring both Gypsum Board partition and ceiling, install the ceiling before the partition. If the sound insulation is needed, install the partition before the ceiling.
3. For T-bar ceiling system, there should be enough ventilation above the ceiling to prevent the sacking of Gypsum Board.
4. To check the level of installed ceiling, place 2 m. straight bar on checking point, the gap between the ceiling surface and the end of the straight bar should not exceed 5mm.