

The Ideal Board for Swiftlet Farms

PRIMAflex™

PRIMAflex™ is an autoclaved cellulose fibre reinforced cement board manufactured with state-of-the-art technology to provide superior performance and long-lasting durability. Virtually maintenance-free, the board has good workability, making it an ideal choice for constructing buildings in swiftlet farming industry.

When applied as ceiling lining, wall lining and flooring board, PRIMAflex™ creates an internal environment that is suitable for swiftlet farming. Other key attributes are :

- ✓ Impact Resistant
- ✓ Water Resistant
- ✓ Fire Resistant
- ✓ Environmentally Friendly
- ✓ Comply with MS1296:1992
- ✓ Cost Saving
- ✓ Low Maintenance
- ✓ Termite Resistant
- ✓ 50-Year Durability



APPLICATIONS



Termite Resistant



Fire Resistant



Water Resistant



Weather Resistant



Environmentally Friendly



Superior Paint Adhesion



High Workability



Aesthetically Pleasing



50 Years Durability

SWIFTLET FARM



THICKNESS AND SIZES

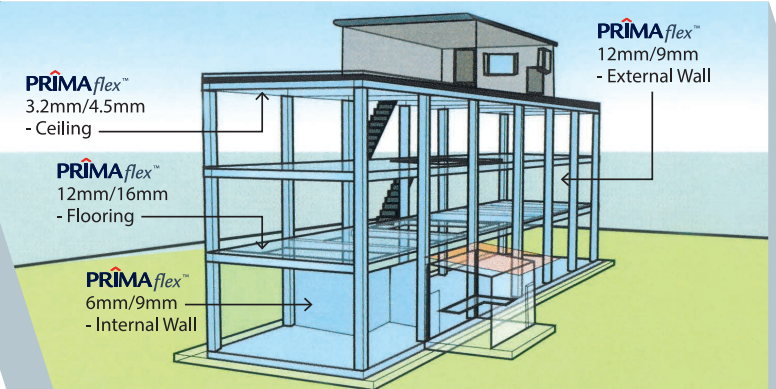
Application	Product Thickness (mm)	PRIMAflex™ Sheet Size (mm)
Ceiling & Eaves Lining	PRIMAflex™ 3.2 / 4.5	610 x 1220 1220 x 1220
Wall Lining	PRIMAflex™ 6.0 / 7.5 / 9.0	1220 x 2440
Flooring	PRIMAflex™ 12.0 / 16.0 / 18.0	1220 x 2440

TYPICAL LAYOUT OF SWIFTLET BUILDING

TECHNICAL SPECIFICATION

Surface Description	Smooth, Flat & Uniform
Surface Condition	Natural or un-coated
Thicknesses	3.2mm, 4.5mm, 6.0mm, 7.5mm, 9.0mm 12.0mm & 16.0mm
Sizes	610mm x 1220mm, 1220mm x 1220mm, 1220mm x 2440mm
Nominal Density	1390 kg/m ³ at EMC
Bending Strength (MoR-average)	16MPa (dry) 10MPa (wet)
Modulus of Elasticity (MoE-average)	8 GPa (dry)
Thermal Conductivity	0.24 W/mK
Moisture Content	7% at EMC
Moisture Movement (EMC to Saturated)	0.08%
Fire Rating	Class O
Fungus Resistant	Passed
Termite Resistant	Passed
Frost Resistant	Passed

Note:
Where values are subject at EMC, the ambient temperature is 27°C ± 2°C and relative humidity is between 65% to 95%.



Factors in the internal environment of the swiftlet farm to be considered :

- Air temperature maintained between 25°C – 35°C.
- Relative humidity (in the range of 80%-90%) is recommended to prevent fungus growth and breeding of insects.
- Roof that is made of material that reflects heat from the sun.
- A stable and an efficient air ventilation system.
- Interior lighting that resembles swiftlets' natural breeding environment (generally no more than 1 lux).

GREEN PRODUCT



For more information, please contact us at:

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