



GYPSEMNA

MINERAL GLASS WOOL FS

INSULATION



THERMAL



SOUND



DESCRIPTION

Gypsemna Foil Faced Glass Wool FS is a thermal and acoustic insulation material widely used for building envelopes and HVACs ducts. The FS facing acts as a high performance vapor barrier and preventing condensation.

BASIC USES

Building Envelope: Insulation for walls and ceilings where a vapor retarder is necessary to prevent internal condensation.

HVAC Systems: External insulation for rectangular and circular air conditioning ducts.

ADVANTAGES

Thermal Performance: Typically features a thermal conductivity ranging from 0.031 to 0.039 W/m.K, depending on the specific product and density.

Fire Safety: Classified as non-combustible.

Moisture Resistance: Low moisture absorption (by volume), with the FSK facing providing a critical barrier against ambient humidity.

TECHNICAL DATA

PHYSICAL PROPERTIES

Nominal thickness 25, 50, 75 and 100mm

Density 12, 16 and 24kg/m³

Material Glass fibre reinforced mineral wool

Surface burning characteristics As per ASTM E84, NFPA 255 and UL 723

Non-combustibility ASTM E136

Sizes per roll
30m x 1.2m
20m x 1.2m
15m x 1.2m
10m x 1.2m

Specification compliance
ASTM C553 Type I and II
ASTM C1136
ASTM C612

CAUTION

Glass mineral wool may cause temporary skin irritation. When handling, wear long-sleeved, loose-fitting clothing, head covering, gloves and eye protection.