

Factorboard Specification

Factoryboard: (25mm/40mm/50mm) of 80kg/m³ density with (white metalized foil /aluminium foil / vinyl) laminated to underside.

Factoryboard should not be installed in applications where the facing material is exposed to direct or indirect Ultraviolet radiation.

Performance criteria:

K-value: 0.032W/mK (ASTM C518)

Combustibility: Combustible (SANS 10177 Part 5)

CFC/HCFC free and zero ozone depleting potential (ODP).

Class B / B1 / 2 / H & V (SPR and UNSPR) – SANS 428

Foil:

Fire Spread Index: Class A1, S1, D0 (EN 13823)

Class 1 Fire Index Rating (SANS 10177 Part 3)

Flame Spread Index: 10 (ASTM E84)

Smoke Spread Index: 0 (ASTM E84)

EUROCLASS A2 (EN 13501-1)

WMF:

Flame Spread Index: 20 (ASTM E84)

Smoke Spread Index: 15 (ASTM E84)

▪ Over-purlin Specification:

Lay (25mm/40mm/50mm) Factoryboard of density 80kg/m³ with (white metallised foil / aluminium foil / vinyl) onto the T-section fixed to the purlins at (600mm/1200)mm centres using self tapping screws. Maximum purlins spacing should be 1800mm centres. Minimum recommended face of the T-section is 35mm. End joints of Factoryboard boards to occur on top of purlins and hence board lengths are determined by purlin spacing. A (590/1190)mm timber block (40mm wide and of suitable depth) is fixed to the purlins. Roof sheeting is then fixed to the purlins through the timber blocks.

▪ Ceiling Specification:

Lay (25mm/40mm) x 595mm x 1195mm Factoryboard of density 80kg/m³ with (white metallised foil / aluminium foil / vinyl) into the ceiling grid. Secure all the Factoryboard ceiling tiles using hold-down clips in areas susceptible to draught. Fix Donn (SM25/M6) wall angle at ceiling level using fixings at 300mm centres. T38 main tees are installed at 1200mm centres. Suspend Donn T38 main tees at 1200mm centres using (2.5mm galvanised hanger wire/19mm hanger strap). (Galvanised hanger wire to be wound 3 times onto the main tees/ 2 steel pop-rivets or teck screws used for fixing hanger strap to main tee web). Clip Donn T38 (1200) cross tees to the main tees at 600mm centres. Main tees should be fixed to the wall using angle cleats.

- **Under-purlin Specification:**

Lay (25mm/40mm/50mm) Factoryboard of density 80kg/m³ with (white metallised foil / aluminium foil / vinyl) into the top hat section. Fix top-hat section to steel purlins at (600mm/1200)mm centres using self drilling and self tapping screws. Maximum purlin spacing should be 1800mm centres. Minimum recommended face of top hat section is 35mm. Cross T-sections need to be installed as lateral support. T-sections should be fixed to the top-hat section.

- **Side cladding Specification:**

Install (25mm/40mm/50mm) non-combustible Factoryboard of density 80kg/m³ with (white metallised foil / aluminium foil / vinyl) facing into the aluminium H-sections. Fix aluminium H-sections to steel columns at (600/1200)mm centres using self drilling and self tapping screws. Minimum recommended face of the H section is 35mm. Cross T-sections need to be installed as lateral support of the Factoryboard. T-sections should be fixed to the H-section.

To be read in conjunction with Glasswool handling Instructions in the Installation methodology.