

SarnaTherm Mineral Wool (MW)

SarnaTherm MW is range of rigid CFC and HCFC free Mineral wool insulants, manufactured to BS EN 13162 “Thermal Insulation products for buildings - factory made mineral wool (MW) products” for Sarnafil Ltd by Rockwool Ltd. During the production process, the constituent minerals are fused together at high temperatures (1100 – 1500°C), with the resulting vitreous melt spun or pulled into fibres, prior to immediately being compressed to a predetermined density. This is then bonded together with binding agent and cured to form rigid boards.



Available in a range of dual density variants, each product has a specific range of features and benefits. SarnaTherm DuoRock and SarnaTherm HardRock DD are LPCB and Factory Mutual approved and suitable for use in mechanically fastened, warm ballasted and SarnaVert green roofing applications. SarnaTherm DuoRock and SarnaTherm Hardrock DD can also be supplied as a tapered (cut to falls) scheme. SarnaTherm DuoRock SP-A and SarnaTherm HardRock DD SP-A are LPCB approved and suitable for use in adhered applications.

Specification

- 0.038 W/mK thermal conductivity, when declared to Lambda 90/90.
- CFC/HCFC free.
- Zero ODP (Ozone Depletion Potential).
- LPCB and Factory Mutual Approved variants.
- Tapered (cut to falls) variants.
- Eurocode Rating A.
- Average densities for individual products range from 138-175 kg/m³.
- Average compressive strengths for individual products range from 60-175 kPa at 10% yield.
- Provides reliable long term thermal performance over the lifetime of the building.

Attachment to Substrate



All SarnaTherm MW can be attached to the substrate (deck or suitable vapour control layer) by mechanically fastening with SBT tubes and SBIW-70x70 pressure plates, or by bonding in Sarnacol 2162 cold bonding adhesive. When mechanically fastening membrane over SarnaTherm MW, SBT or SFT tube fasteners must be used. In warm ballasted and SarnaVert green roofing systems, SarnaTherm MW can be loose laid if sufficient ballast weight is provided to resist wind uplift pressures.