

## SarnaTherm EPS-A

SarnaTherm EPS-A is a CFC and HCFC free thermoset cellular plastic insulant, manufactured to BS EN 13163 “Thermal Insulation products for buildings - factory made expanded polystyrene products” for Sarnafil Ltd by Vencel Resil. Available in two grades – 150 grade extra high density (EHD) or 200 grade ultra high density (UHD). Both variants have a flame retardent additive (A) and can be supplied as a tapered (cut to falls) scheme.



Both densities of SarnaTherm EPS are available as either an unfaced expanded polystyrene (SarnaTherm EPS-A Roofboard), or with an Aluminium foil face (SarnaTherm EPS-A Foil Roofboard). All variants are suitable for use in mechanically fastened, adhered, warm ballasted and SarnaVert green roofing systems.

### Specification

- 0.035 W/mK thermal conductivity (Lambda 90/90).
- CFC/HCFC free.
- Zero ODP (Ozone Depletion Potential).
- Tapered (cut to falls) variants.
- Typical Density of 25 kg/m<sup>3</sup>.
- Compressive strength > 150 kPa at 10% yield.
- Provides reliable long term thermal performance over the lifetime of the building.



### Attachment to Substrate

SarnaTherm EPS-A 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 Sarnafil S/TS or adhering Sarnafil G/TG over mechanically fastened SarnaTherm, a project specific fastening pattern will be provided by Sarnafil Ltd, in accordance with BS 6399:Part 2:1997 “Code of Practice for Wind Loads”.

Sarnafil do not recommend the use of hot bitumen bonding compound for the attachment of EPS to the substrate or vapour control layer.