

Technical Data Sheet



Date Oct 2015
Replaces Feb 2015

Roof refurbishment using SOPRABOARD under SOPREMA double layer roofing membranes

Sopraboard is used in a number of applications:

1. Over plywood to produce a sound substrate to which double-layer membranes may be torched without primer and without fear of the effects of direct torching to plywood. Helps eliminate plywood joint movement.
2. Renovation
Install Sopraboard directly over old membranes. Fix through both the old membrane and plywood without the need for removal of old membranes. This ensures a sound substrate and removes the strong risk involved with torching directly to old membranes.
3. As a sound substrate for insulated roof systems; see Nuplex Flexitherm.

GENERAL

SOPRABOARD is a semi-rigid protection board composed of a mineral fortified asphaltic core formed between two saturated fibreglass felts.

SOPRABOARD is designed to be used as a substrate material in flat or low-slope roofing. It can be installed over wood, rigid insulation or as a recover sheet over an existing roof surface, which is to be re-roofed.

SOPRABOARD is compatible with modified bitumen and B.U.R. (Built up roofing) roofing systems. Modified bitumen roofing systems can be torched, mechanically fastened or adhered with hot asphalt or cold adhesive directly to the board surface. May also be used with self-adhesive membranes.

Soprasun 4AR provides complete waterproof integrity to roof structures by providing a double layer assurance of watertight-ness with a system that is unaffected by water over long periods of time.

Properties

- Thickness 3.2mm
- Sheet size 1.22 x 1.52 m
- Weight 4.8 kg/m²
- Puncture resistance: ASTM E154 500 N
- Water Absorption : ASTM D994 0.25% RD
- Moisture content is 0.2%, very low, will not froth or blister.
- Superior moisture resistance with an asphaltic content designed specifically for SBS modified bitumen roof systems. Impact, shock and puncture loads are absorbed minimizing damage to both the membrane and insulation assembly.
- Lighter weight for handling, easier SOPRABOARD® meets class A fire rating for UL and FM Global tested roofing assemblies.
- Meets ASTM E 108, UL 790 and FM Class A fire ratings tests.

COST EFFECTIVE AND SAVES LABOR

SOPRABOARD® is a lightweight roof board that offers amazing strength. Because of its light weight, it takes less labor and is faster to install compared to other coverboards. It is easy to carry and manoeuvre, produces less waste due to breakage or repair and allows for easy fitting around all roof penetrations.



Sopraboard is often mechanically fastened prior to double layer torch on membrane



- A. Plywood base
- B. Sopraboard
- C. Soprema Base sheet
- D. Soprema cap sheet

Installation

It is the contractor's responsibility to inspect all areas which are to receive the waterproofing membrane and report any unsatisfactory conditions to the main contractor. Listed below are detailed specifications for preparing various substrates.

The surface to be waterproofed must be clean and sound. Remove all dust, dirt.

Inspect an area of the old roof to ensure the plywood is sound.

Lay out the sheets and butt them closely. Mechanically fasten the Sopraboard. Refer full specs on fastener spacing. Ensure the fasteners are used with Soprema washers. Ensure the screws will penetrate through the existing membrane and plywood.

An adhered system is possible by adhesive bonding with Duotack or NPU adhesive. The original surface must be very clean.

Once installed, refer to Soprasun or Sopralene data sheets for installation of membrane. No primer is required. (Place adhesive tape over any wide joints to inhibit flame ingress)

http://www.nuplexconstruction.com/pdf/Soprasun_4AR.pdf

http://www.nuplexconstruction.com/pdf/Roofing_Details_by_Nuplex.pdf

