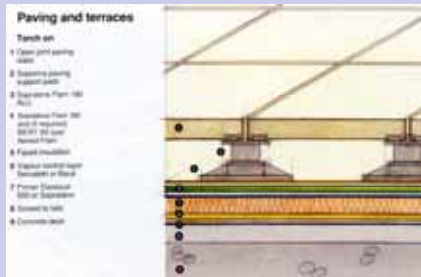


Raised Decks—the best way to :

- Provide a trafficable finish
- Allow access to the membrane roof
- Provide effective drainage



- Nuplex provide six pedestals of different & adjustable heights to accommodate all pavers, sizes and falls
- Concrete & timber pavers
- Compliant with NZ Building code



Soprorema membrane awaiting delivery

Double Layer—why we recommend a minimum of two layers:

- Most roofs in NZ are plywood. This is inherently far less stable than concrete which is commonly used overseas. Double layer systems give a more reliable final installation.
- This first layer can be intensely heated on without reserve for aesthetic effects
- Gussets will be a minimum of three layers thick
- Mistakes will be covered by another layer
- The first layer may be installed for building waterproof integrity. Construction can proceed and then the final layer may be installed later.
- It is more accurate to install two layers in and around parapets, flashings and behind claddings.
- Full warranties will be provided
- 7— 8mm versus 4mm



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Soprorema Roofing Torch-on Systems



Nuplex Construction Products

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Membrane Roofing

This flyer describes the various systems based on Soprema torch-on membranes.

Torch-on describes the process of “melting” the back of a flexible Bituminous rubber membrane to permanently bond it to the substrate.



Flat “green” roofs may be achieved reliably and long term following the Soprema Sopranature waterproofing systems.

The art of these systems is based on multiple layers, gussets

and reinforcements to ensure the roof will accommodate the various movements caused by the heating and cooling of the structure. Over the lifetime of the membrane, thousands of thermic cycling movements will occur. These movements, rather than UV effects, are the greatest consideration in the design of a long-term roofing system.

Systems

Soprasun: Soprasun 3 base layer with a staggered sheet of Soprasun 4AR (aggregated) (total thickness 7mm). This is APP polymer modified Bitumen. It is suitable for most of the NZ and Pacific environment.

Sopralene: A base sheet of Sopralene Flam 180 (3mm) with a staggered sheet of Sopralene Flam 180 Unilay AR (aggregated). (8mm). Sopralene is SBS

modified Polymer (rubber). It is more flexible and tolerant of a wider range of temperature fluctuations and climate extremes..

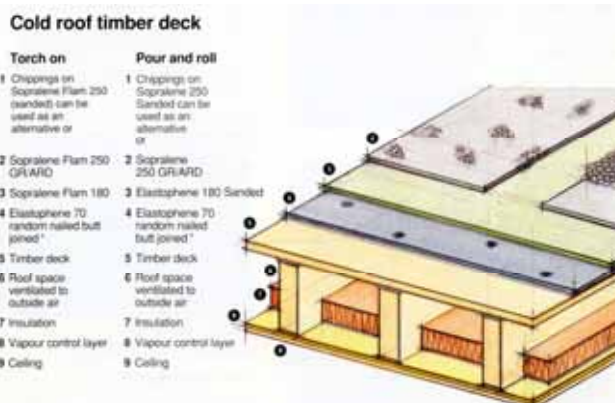
Specific Systems

Soprastick (prev.Flam stik): A base layer of Soprastick followed by Sopralene flam 180 Unilay AR. This system is self adhesive to the substrate (Insulation, concrete, plywood) and avoids torching issues.

Soprafix: This innovative system is based on the mechanical fixing (screw and large flat washer) of the Soprafix first layer to the substrate. This effectively isolates the substrate enabling lateral free movement and allows moisture movement. The first layer edge is still torched secure ensure that the two layers comprise a true double layer system

Finishes:

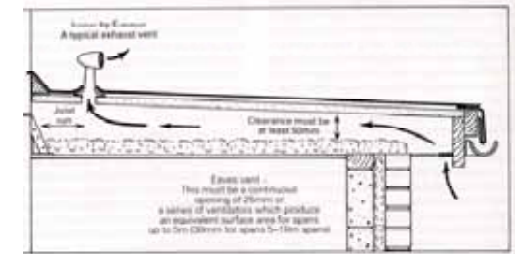
- Aggregated: durable slate chippings, grey green is the most popular
- Copper skin: very thin pure copper layer; will eventually green –off. UV protection
- Stainless steel and Aluminum finishes



Ventilation

Membrane roofing (unlike tile, or metal roofs) are 100% vapourproof. This property can cause moisture on the inside of the building to condense in the roof-space. Nuplex recommend and supply various vents to enable internal moisture to vent to the exterior.

All installations must consider venting, insulation positioning and cross ventilation. Nuplex can provide specialist advice and specifications.



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