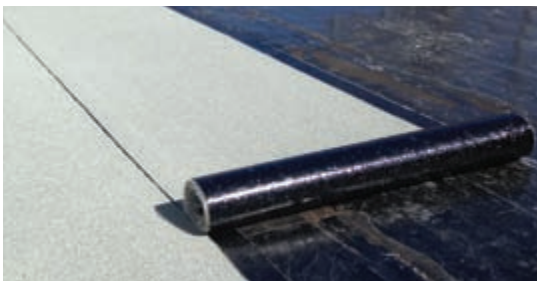


# ROOF RECOVERY SYSTEMS



# ROOF RECOVERY SYSTEMS

Soprema has a range of systems for roof recovery that are tried and proven in a diverse range of environments globally. The systems matrix below refers to products and warranties available.

DECK	FAILED SYSTEM	MODE OF FAILURE	NEW SYSTEM	PREPARATION	APPLICATION	WARRANTY
CONCRETE	liquid polyurethane polyurea	blistering, delamination cracking	R NOVA + 2 coats	remove loose membrane & clean	roller / spray	5 years
	liquid polyurethane polyurea	blistering, delamination cracking	Soprasmart Board 180 Sopralene Flam Cap Sheet	clean, dry and free from debris	mechanical fix duotack adhesive	20 years
	APP bitumen	cracking / delamination	R NOVA + 2 coats	clean and re-adhere loose membrane	roller / spray	5 years
	APP bitumen	cracking / delamination	Soprasmart Board 180 Sopralene Flam Cap Sheet	clean, dry and free from debris	mechanical fix duotack adhesive	20 years
	EPDM rubber	chalking, splitting	Soprasmart Board 180 Sopralene Flam Cap Sheet	clean, dry and free from debris	mechanical fix duotack adhesive	20 years
	PVC membrane	splitting, tearing	Soprasmart Board 180 Sopralene Flam Cap Sheet or Soprastar HD GR	clean, dry and free from debris	mechanical fix torch torch	20 years
	SBS bitumen	cracking / delamination	R NOVA + 2 coats	remove loose membrane & clean	roller / spray	10 years
TIMBER	SBS bitumen	cracking / delamination	Colvent Flam 180 vented membrane Sopralene Flam Cap Sheet	remove loose membrane & clean	torch or stick torch	20 years
	APP bitumen	cracking / delamination	R NOVA + 2 coats	clean and re-adhere loose membrane	roller / spray	5 years
	APP bitumen	cracking / delamination	Soprasmart Board 180 Sopralene Flam Stick	clean, dry and free from debris	mechanical fix duotack adhesive	20 years
	EPDM rubber	chalking, splitting	Soprasmart Board 180 Soprastar Flam HD GR	clean, dry and free from debris	mechanical fix duotack adhesive / torch	20 years
	PVC membrane	splitting, tearing	Soprasmart Board 180 Sopralene Flam Cap Sheet or Soprastar HD GR	clean, dry and free from debris	mechanical fix torch torch	20 years
	SBS bitumen	cracking / delamination	R NOVA + 2 coats	remove loose membrane & clean	roller / spray 2 coats	10 years
	SBS bitumen	cracking / delamination	Colvent Flam 180 vented membrane Sopralene Flam Cap Sheet	remove loose membrane & clean	torch or stick torch	20 years



Soprema has specialised in roof recovery systems for over 30 years. Through utilisation of our own patented technology Soprema can:

- **Deal effectively with failed membranes and substrates**
- **Provide new and fully warrantable solutions for aged roofs**
- **Minimise risk, disruption and project programme**
- **Reduce / eliminate site waste to landfill**

Soprema can also assist with detailed technical advice, specifications and drawings to ensure a permanent solution to leaking roofs, balconies and podiums.

## Case Study: 1

### PERTH, WA.

#### PRODUCTS

#### SOPRAFIX & SOPRASUN

The apartment roof shown here was originally waterproofed with a liquid polyurethane system, since failed. The existing system remained in place whilst the new **Soprasun** system was mechanically fixed through the old membrane and substrate using the **Soprafix** anchor system. A new **Soprasun** mineral cap sheet was then torched onto the base sheet, sealing over the fixings. The use of Soprafix allowed any entrapped moisture to be vented to atmosphere without affecting the new membrane. The result was a new, fully warrantable roof with minimal disruption to the occupants of the building.

#### BEFORE



#### AFTER



## Case Study: 2

### CIRCULAR QUAY, NSW.

#### PRODUCT

#### SOPRASMART BOARD 180

Poor substrates, as shown here, and failed waterproof membranes are difficult and costly to repair. In addition, removal of the old membrane or topping screeds can leave the structure unprotected for significant periods of time.

The Soprasmart laminated board system uses a high performance SBS base sheet membrane adhered to a flexible reinforced bitumen board.

The **Soprasmart Board 180** can completely isolate old membranes or poor roof substrates and provide a stable yet flexible substrate for a new waterproofing system. All this without removing the old membrane.

Time efficient installation is achieved with Soprema's unique "Duo Selfedge" heat welded / adhesive strip edge bonding technology.

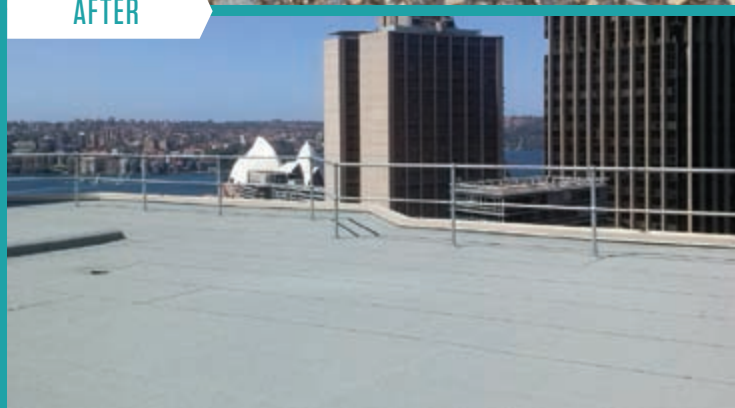
This effectively helps locate the sheets and protect the board and substrate when heat welding.

It also allows complete sealing of the roof in ONE application prior to application of the cap sheet.

#### BEFORE



#### AFTER





# Case Study: 3

## SURRY HILLS, NSW.

### PRODUCT

### SOPRASUN

Soprasun APP membrane was chosen to remediate over 4000 square metres of failed roof membrane for the NSW Dept of Housing due its proven performance, ease of use and economy.

Three layers of old membrane of different composition were removed and replaced with

two layers of **Soprema Soprasun**.

The chosen system was torch applied Soprasun 3.0 P base sheet followed by Soprasun 4.0 mineral cap sheet.

### BEFORE



### AFTER







AFTER

## Case Study: 4 NOOSA HEADS, QLD.

PRODUCT **SOPRASTAR**

Dark coloured roofs contribute significantly to the “heat island effect” greatly increasing cooling costs for affected buildings. The apartment roof shown in Queensland was re-covered with **Soprema’s Soprastar** heat reflective SBS sheet membrane.

The new 2 ply “cool roof” SBS system was applied in record time with attendant reductions in energy costs and improved occupant comfort.

BEFORE



AFTER



## Case Study: 5 MONA VALE HOSPITAL, NSW.

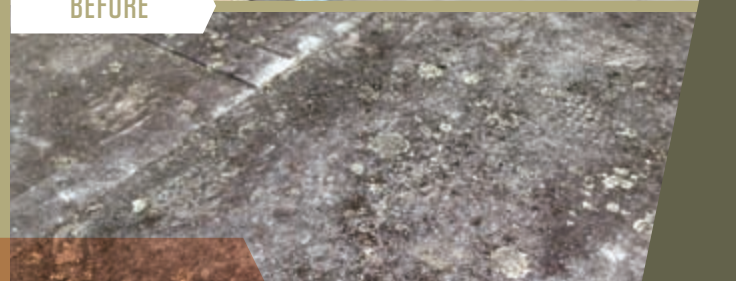
PRODUCT **R NOVA +**

The bitumen roof shown here was in tact but near the end of its product life. **Soprema R NOVA+** was chosen to renovate the system and provide many more years of service prior to demolition of the site. R NOVA+ is specifically formulated to adhere to aged bitumen, cope with thermal expansion / contraction and provide a reflective membrane to reduce the “heat island” effect of dark roof membranes. Being a liquid system, application is simple and fast with no need of a primer. R NOVA+ is water base, non toxic and low VOC.

BEFORE



BEFORE







## Case Study: ⑥ CHADSTONE, VIC.

### PRODUCT

### SOPRALENE FLAM SBS 2 LAYER

The carpark roof over commercial office space shown here was leaking into the commercial space below. Being a carpark roof long term durability was a critical issue. Other issues included disruption during repair and risk of having the structure exposed to the elements.

Therefore, system requirements were

- **Fast to application (automated application with Minimacaden robot)**
- **Able to withstand vehicular traffic and thermal loads**
- **Fully warrantable for 20 years**

**Soprema Flam SBS** two ply system was applied with Soprema's own unique automatic installation robot "The Minimacaden". The result, a brand new roof in record time.

BEFORE



AFTER



### CONTACT

[WWW.SOPREMA.COM.AU](http://WWW.SOPREMA.COM.AU)

Phil Serio: 0414 418 323 [pserio@soprema.ca](mailto:pserio@soprema.ca)

Clare Moloney: 0414 526 355 [cmoloney@soprema.com.au](mailto:cmoloney@soprema.com.au)

