

SOPRANATURE®

VEGETATED SYSTEMS





THE SOPREMA EXPERIENCE

For more than 100 years, SOPREMA has put its expertise and its sense of innovation at the service of builders. Every year, thousands of construction professionals from across North America and around the world choose SOPREMA for its complete product offering, its concern for quality, and above all, for its superior service.

Constantly listening to construction industry professionals, SOPREMA is recognized as a pioneer for its new product design initiatives that fulfill the needs of its client and ease their workload. In 1995, SOPREMA launched its new SOPRANATURE® roofing system, which transforms roofs of all kinds into green and amenity spaces while maintaining their waterproofing features.

Innovation at SOPREMA also involves active participation in the development of new industry standards, collaboration on numerous research projects affiliated with universities, and major contributions to the sharing of knowledge to improve the construction industry.

TECHNICAL SUPPORT AND TRAINING

In North America alone, SOPREMA has technical representatives in every major market, who are equipped to provide details and specifications, to assist in designing plans, and to advise properly and recommend the best solutions for all projects. In addition, with the installation of SOPRANATURE® systems, customers will benefit from SOPREMA's network of certified contractors who employ qualified installers that have completed a comprehensive training on the installation and maintenance of SOPREMA vegetated roof systems. Technical experts may also be mandated to carry out inspection visits to ensure the execution of the work, from start to finish, in accordance with the requirements of the plans and specifications.

WARRANTIES

Unique on the market, the Mammoth SOPRANATURE® Warranty provides peace of mind to owners who invest in a vegetated roof system.

This warranty is available for roofs that are covered by SOPREMA's Mammoth Platinum Warranty. The Mammoth Platinum Warranty covers the materials and labor of the waterproofing assembly, while the Mammoth SOPRANATURE® warranty covers the replacement of the SOPRANATURE® vegetated system components provided by SOPREMA.

Under this warranty, if corrective action is required due to water infiltration covered by the Mammoth Platinum Warranty, SOPREMA will provide the owner with the materials and labor to remove and reinstall the SOPRANATURE® vegetated system.

LEED® V4 AND WELL V2

A vegetated roof can contribute to obtaining credits towards Leadership in Energy and Environmental Design (LEED®) and WELL certification, according to the terms and conditions of the various programs and categories involved.





BENEFITS

SOPRANATURE® vegetated systems offer a wide variety of social, economic and environmental benefits. In addition to replacing mineral surfaces with permeable and living surfaces within the building, they compensate for the loss of ecosystem services caused by urban development.

IMPROVE STORMWATER MANAGEMENT

SOPRANATURE® systems have a capacity of absorption, retention and filtration of water. They improve stormwater management while helping to reduce the risks associated with overflows and floods.

EXTEND THE LIFE OF THE ROOF MEMBRANE

By acting as an additional protective layer, the vegetated surface extends the service life of the roof's waterproofing system.

IMPROVE THE THERMAL EFFICIENCY OF THE BUILDING

SOPRANATURE® systems are among the best solutions for the improvement of energy efficiency which can thus generate savings in the operational costs of the building.

OPTIMIZE THE USE OF AVAILABLE SPACE

Vegetated solutions optimize the use of space by displaying a wide range of possibilities. The addition of more functional space on the roof can take the form of a terrace and even a garden.

FOSTER THE WELL-BEING OF THE OCCUPANTS

SOPRANATURE® systems increase the thermal and acoustic comfort of the occupants. In addition to having positive effects on health and well-being, they increase people's contact with nature, which contributes to their happiness, productivity and openness to collaboration.

STRENGTHEN SOCIAL SOLIDARITY

Some developments with vegetated solutions can become attractive meeting and recreation venues for individuals to foster socialization and strengthen a sense of belonging to a group or community.

MITIGATE THE EFFECTS OF URBAN HEAT ISLANDS

Due to the evapotranspiration of the plants and the shading they provide, vegetated roofs promote natural control of the outside temperature.

INCREASE URBAN BIODIVERSITY

SOPRANATURE® systems create conditions promoting the development of microhabitats to support life. They can offset the loss of natural heritage and increase connectivity between ecosystems in the area. Systems can accommodate urban agriculture, meaning access to fresh, locally produced healthy foods.



BROOKLYN, NEW YORK

420 KENT AVE.

420 Kent Avenue, on the Brooklyn waterfront, consists of three glass towers with 80,000 square feet of outdoor on-structure amenity space including green roofs, swimming pool, roof deck lounges and other gathering spaces. An innovative multi-dimensional façade design affords corner views to 80% of the apartments and creates a dynamic link between indoor and outdoor spaces. (see photo to the left)

The depth and breadth of SOPREMA waterproofing and overburden product lines and the local support of designers, specifiers and contractors were instrumental in creating architecturally ambitious and technically complex watertight structures while allowing for the realization of an equally ambitious landscape design.



WILLAMSBURG WATERFRONT APARTMENTS
Brooklyn, New York

SYSTEMS OPTIONS

Whether modular or built on site, SOPRANATURE systems offer great green roof design flexibility tailored to your needs. Our systems have been designed to meet the standard requirements and environmental challenges of the North American climate.

See our legend to better understand the characteristics of each of our systems.

LEGEND

Costs

\$

Maintenance

Water retention

Weight

Irrigation needs

Vegetation types

Ground covers and grass

Perennials

Shrubs

Agriculture

Trees

EXTENSIVE SYSTEM

SOPRANATURE® extensive systems are light green roofs of less than 6 inches of SOPRAFLOR substrate.

Vegetation types typically include sedums, grasses and other perennials requiring low maintenance.



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MODULAR SYSTEM

SOPRANATURE® modular systems create a versatile vegetated roof solution. The trays form an all-in-one pre-vegetated system. They save time and manpower by being easy to install.



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SEMI-INTENSIVE SYSTEM

SOPRANATURE® semi-intensive systems are mid-light green roofs with 6 inches and 12 inches SOPRAFLOR substrates.

Vegetation types typically include sedums, grasses, perennials, shrubs and even some plants for urban agriculture.



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INTENSIVE SYSTEM

SOPRANATURE® intensive systems correspond to heavy green roofs with more than 12 inches of SOPRAFLOR substrate.

Vegetation types can include a wide variety of perennials, shrubs and trees that require increased maintenance and heavy structural capacity.



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THE SOPRANATURE PRODUCT OFFERING	
COMPONENTS	PRODUCTS
GROWING MEDIA	SOPRAFLOR X
	SOPRAFLOR I
	SOPRAFLOR P
	SOPRAFLOR AU
WATER RETENTION	SOPRANATURE® MRM 5
	SOPRANATURE® MRB 30
GEOTEXTILE	SOPRAFILTER
DRAINAGE PANEL	SOPRADRAIN™ ECOVENT 2
	SOPRADRAIN™ ECOVENT
	SOPRADRAIN™ 100, 102 & 104
INSULATION	SOPRA-XPS
SEAM TAPE	SOPRANATURE® SEAM TAPE
ROOT BARRIER	SOPRANATURE® ROOT BARRIER 20
	SOPRANATURE® ROOT BARRIER 30
MODULAR TRAY	SOPRANATURE® TOUNDRA BOX
SEDUM TILE	*SEVERAL OPTIONS POSSIBLE

*Contact your SOPREMA representative for more details.

ACCESSORY PRODUCTS

AVAILABLE ON DEMAND

- Pavers - concrete, IPE wood, ceramic tile
- Pedestals - 0.125"-40.0" range
- Full line of accessories
- Aluminum edge restraint & inspection chamber

**Note see SOPRANATURE® VersiJack Sell Sheet for complete product offering



MAISON DES ARTS DESJARDINS DRUMMONDVILLE,
Drummondville (Canada)

INNOVATION SINCE 1908

SOPREMA has developed around the idea that the quality, durability and reliability of materials must match builders' ambitions and expectations. For more than 100 years, SOPREMA has been using its expertise to develop a variety of high-end products that meet or exceed all the requirements of the construction field.

ROOFING WATERPROOFING WALLS CIVIL ENGINEERING



ROOFING &
WATERPROOFING



INSULATION



VEGETATED
SOLUTIONS



SOUNDPROOFING



RELATED
PRODUCTS

SOPREMA is an international manufacturer specializing in the production of waterproofing and insulation products, as well as vegetative and soundproofing solutions, for the building and civil engineering sectors.

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