

Sarnafil®



The EcoSmart Roof®

Roofing systems don't have to be disposable. By maximizing system longevity and recycling at the end of its useful life, the Sika EcoSmart Roof provides you with a roofing option that's sustainable and good for your wallet.

A PROVEN SYSTEM SOLUTION

The EcoSmart Roof utilizes Sarnafil® thermoplastic membrane, STYROFOAM™ brand insulation from DuPont, and a gypsum roof board to produce one of the longest lasting, most sustainable roofing systems available.

Sarnafil membrane has a history of proven performance on buildings throughout New England and the rest of the world. This time-proven membrane has lasted for decades on buildings in every imaginable climate.

The white reflective surface of the membrane minimizes solar heat gain into the building, reducing the building's cooling load; saving energy and diminishing the building's carbon footprint. When the membrane does reach the end of its useful life, it can be recycled back into roofing membrane products at Sika's PVC

roofing manufacturing plant in Canton, MA.

STYROFOAM™ Square Edge extruded polystyrene insulation from DuPont provides the insulating properties necessary to minimize heat flow through the roofing system. This reduces heating and cooling energy consumption, with the added benefit of being reusable when your building is re-roofed.

RESISTANT TO MOISTURE

Extruded polystyrene's ability to resist moisture, which can occur in a roof assembly due to vapor drive and other sources, allows DuPont to provide a 50-year reuse warranty on its Square Edge insulation. This means that the building owner can leave the insulation in place when the building is ready for a new roof.¹

The gypsum roof board is a highly mold resistant roof panel that consists of a moisture resistant, noncombustible core of specially treated gypsum with glass mat facings.

A gypsum roof board improves the fire resistance and wind uplift characteristics of the roofing system, with the added benefit of providing increased resistance to foot traffic to protect the overall roofing system and enhance its longevity.



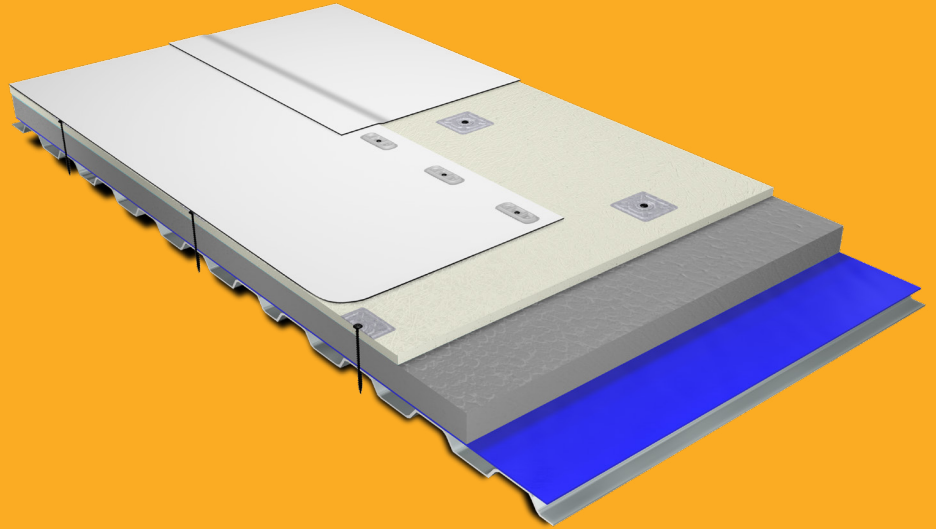
BUILDING TRUST



The EcoSmart Roof - Sustainable Roofing Solution

Each year some 136 million tons of building construction- and demolition-related debris are generated, according to estimates from the U.S. Environmental Protection Agency. The U.S. Green Building Council has stated that this debris accounts for up to 40 percent of all solid waste in the U.S.

European vinyl membrane manufacturers have been recycling roof membranes since 1994. Sika Corporation's PVC roofing operation has built upon the experiences of its European parent company, Sika AG in Switzerland, and was the first U.S.-based company to introduce a recycling program for commercial roofing membranes.



Recycled Content:	Sarnafil Membrane: Up to 10% post-consumer/post-industrial recycled content.
Recyclable:	Installation: Sika Roofing manages a membrane trimmings program to take back scraps and trimming from the construction site. End of Life: Sika Roofing will take back old vinyl membranes to be recycled into new roofing membrane products from any location.
Reusable:	STYROFOAM™ Square Edge insulation is available with a 50-year re-use warranty.
Energy Efficient:	A well insulated roofing system with a reflective roof membrane reduces building energy consumption for heating and cooling and reduces its carbon footprint. Sarnafil membranes meet the cool roof requirements of LEED® and Green Globes®.
Improved Air Quality:	When replaced with a reflective membrane, each square meter of dark colored roof in New England could reduce CO ₂ emissions by up to 1.7 kg per year ³ .
Low Life Cycle Cost:	Sarnafil roofing systems have a proven track record of long-term performance, resulting in low life cycle costs. According to the Athena Institute and the British Board of Agrément, "All available evidence suggests that the durability of Sarnafil membranes should have a life in excess of 35 years ⁴ ."



1 Subject to the terms and conditions in the DuPont Buildings Solutions Limited 50-Year Reuse Warranty.
 2 Mechanically-attached or ballasted roofs only. Subject to terms and conditions of recycling program agreement.
 3 Ronnen Levinson and Hashem Akbari, Heat Island Group, Lawrence Berkeley National Laboratory, "Potential benefits of cool roofs on commercial buildings: conserving energy, saving money, and reducing emission of greenhouse gases and air pollutants."
 4 British Board of Agrément Assessment Report Numbers 08/4531 and 08/4532, 2008.
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