



Solar Energy



Rooftop Gardens



**IB Green™**



Reflectivity



Reclamation



# *a greener* Shaping the Industry Through Successful Partnerships

## IB Roof Systems Environmental Statement

IB Roof Systems has been an environmentally conscious company since its beginning in the late 1970's, before "sustainability", was a household term.

Since its inception, IB Roof Systems promoted its products to be;

- Long Lasting—nearly three times that of traditional asphalt roofing systems
- Recyclable—recycled after 30 years of useful life, avoiding the landfill all together
- Highly Reflective—reducing energy consumption and utility costs
- Safe—formulated with enhanced fired retardant properties

With this foundation established IB Roof Systems and its products have become the leader in environmental single-ply roofing, which places IB Roof Systems in the forefront to support established and emerging sustainable roofing technologies.

## Our Pledge

- Continue to be a carbon neutral company
- Continue to network with sustainable partners
- Continue to produce systems that maintain long-term, high reflectivity
- Continue and increase reclamation of pre and post-consumer product
- Continue to invest in new sustainable roofing technologies



We all have a responsibility to keep our environment safe now and for generations to come. IB Roof Systems will continue to improve their products in harmony with the environment. Together, with its partners, IB Roof Systems will continue to make a difference.

# Reflectivity

## Long-Term High Reflectivity = Cooler Roofs and a Cooler Planet

IB Roof Systems employed a third party environmental consultant to evaluate the effects of their reflective membrane on carbon emissions. The report showed that the embodied



carbon emissions of the raw materials, production and transportation of IB Roof Systems white membrane will be neutralized in as little as two years when replacing a black roof. If a minimal rated Energy Star roof was being replaced the carbon emissions would be neutralized in as little as five years leaving the owner with, up to 23 years of negative carbon emissions from their IB roof.

IB Roof Systems applies a top finish to all of their membranes to help keep them cleaner longer, increasing their reflective properties, reducing energy consumption and reducing the urban heat island effect.



IB Roof Systems voluntarily submitted their white membrane to the CRRC (Cool Roof Rating Council) for a 3 year evaluation and earned one of the highest ratings for reflectivity and emissivity.

Because of the high reflective life of IB Roof Systems membrane there are considerable energy cost saving benefits as well, lowering energy consumption and the utility bill.

Maintaining long-term high reflectivity is another way IB Roof Systems is making a difference.



**Did you know?** Highly reflective roofs typically increase only 10–25 degrees °F above ambient temperature, even during the hottest days of summer.



## A Legacy That Goes On And On

Its one thing to say that a roofing material is recyclable and another to actually have a roofing material, currently, being recycled.

IB Roof Systems is proud to have some of the longest lasting sustainable roofing membranes in the industry with an incredible track record to back it up and they are also proud to be able to start reclaiming and recycling those same roofs after their long useful life is over.

After 30 years of great performance, IB Roof Systems membrane are being recycled into other high quality products avoiding the landfill altogether.

Jeff Walter from Northwest Polymers, a plastics recycling company, stated, "From what we have seen so far in processing the aged PVC membrane material, there is very little waste. As it passes through our system we are recognizing about 99.5% of good, usable materials." He also said further that, "one of the good things about vinyl and plastics is that they last for such a long time, the material is still very usable, degradation is minimal, and because of this it can still be made into good products even when it has already served for 30 years."



By reclaiming used roofing membrane is another way IB Roof Systems is making a difference.

**Did you know?** Europe already has a program called "Roof Collect" that is actively recycling "end-of-life" PVC roofing membranes.

# Solar Energy

## Promoting Efficient, Sustainable Solutions

IB Roof Systems roofing membranes are the best choice for long term support with many sustainable roofing technologies.

## Solar Energy Systems



IB membranes supports all roof solar energy generation. By partnering with experts in the solar energy field IB Roof Systems can provide long-term water proofing solution already proven for 30 years to last as long as the solar panels are warranted for. Roofing systems not proven may not perform as long and cause a costly removal and re-install of the solar system and new roofing material, possibly erasing any savings that the solar system provided.

## Rooftop Mounted Solar

- Provide financial incentives from multiple government agencies and utilities
- Promote environmental stewardship
- Reduce emissions
- Allow for energy independence

Integrating durable IB Roof Systems membrane with roof solar projects is another way IB Roof Systems is making a difference.



**Did you know?** Many states have enacted laws that require them to offset the customer's bill at the full retail rate for surplus power fed back to the utility.



# Rooftop Gardens

## Mother Nature's Roofing Solution

Rooftop gardens offer wonderful long-term benefits to the building and the environment. To create these mini eco-systems on a rooftop, requires a large investment, therefore it is vital to the success of the rooftop garden that a proven, durable waterproofing system be put in place;

- Impenetrable to strong root systems
- Handle constant or ponding moisture
- Resistant to high PH or acidic soil conditions.
- Continuous leak-free performance, proven for at least 30 years

IB Roof Systems membrane maximizes the life of a roof-top garden and is another way IB Roof Systems is making a difference.



**Did you know?** Rooftop gardens help to insulate a building for sound; the soil helps to block lower frequencies and the plants block higher frequencies.

# Carbon Neutrality

IB Roof Systems has made changes on a high level to become a carbon neutral company and not just rest on the laurels of their product alone for environmental performance. IB Roof Systems employed a third party company to evaluate their carbon foot print. With this information IB was able create the plans that lead them to become carbon neutral. IB Roof Systems implemented practices that reduced their carbon emissions by 256 metric tons in 2008 in spite of their 12% growth.

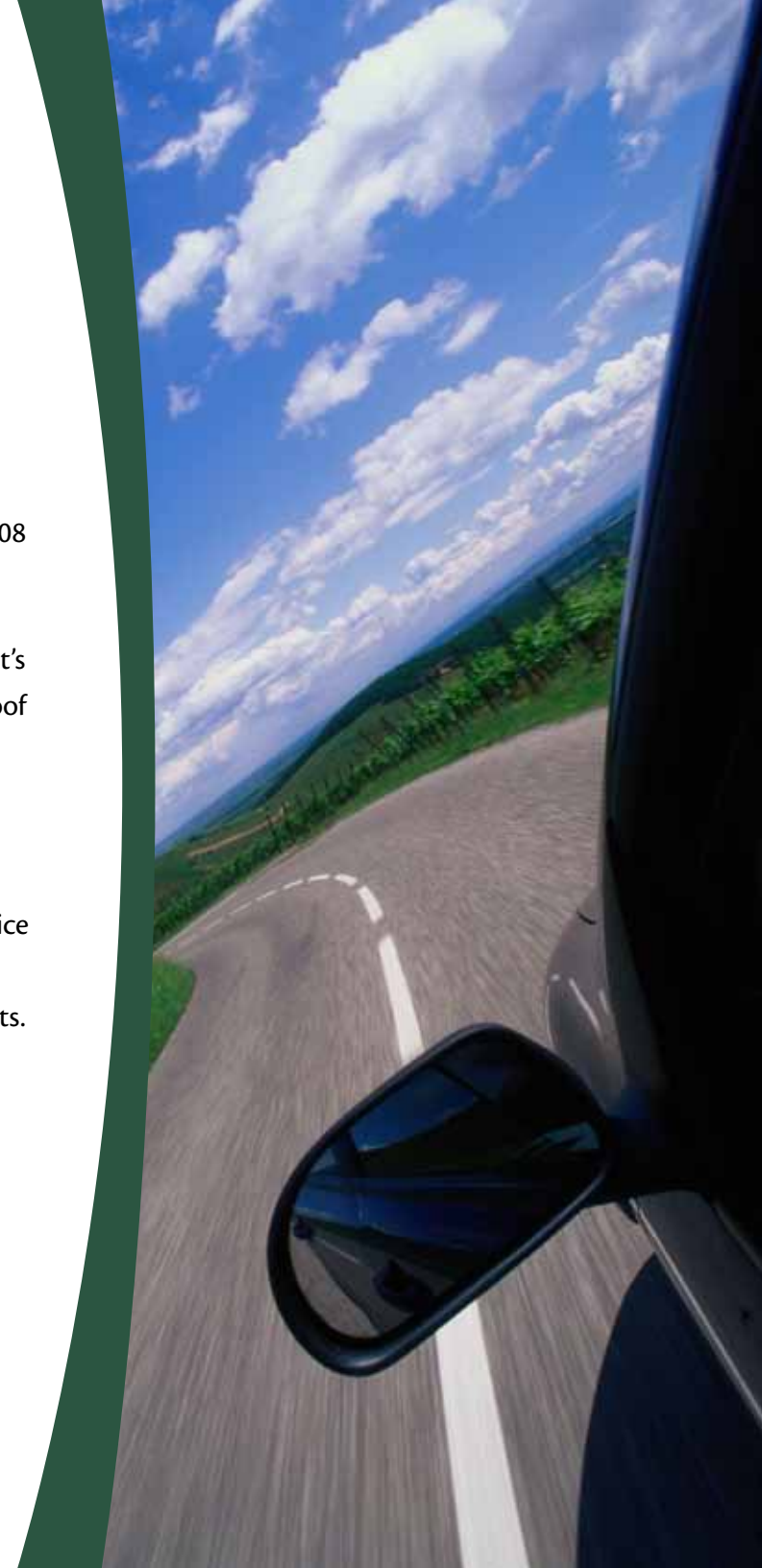
Stewardship of the environment is more than just manufacturing carbon reducing products; it's about accountability of one's carbon footprint. Becoming carbon neutral is another way IB Roof Systems is making a difference.

## **IB Roof Systems Partnerships**

IB Roof Systems has many partnerships that allow it to provide the best sustainable roofing systems available; systems that outlast its competitors, that are being recycled after their service life is over, durable enough for established and emerging green roof technologies, reducing energy consumption, carbon emissions and reducing building carbon foot prints on all projects.

IB believes its membranes to be the best choice for environmental friendliness, long-term durability, low maintenance, fire resistance, cleanliness, recyclability and cost effectiveness. If there were a better alternative in flat roofing material, for the environment and for your roof, IB Roof Systems would produce it.

IB Roof Systems is the difference.





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