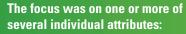
The Path to a Greener Roof

Duro-Last® and NSF/ANSI 347

The roof is a huge part of any building project, and as the imperative for "greener" buildings grows, there is greater pressure to find an environmentally sustainable roof. But sustainability for membrane roofs had never previously been quantified.





- Volatile Organic Compounds (VOCs) released by the material or its installation
- Energy savings of the roofing system
- Recyclability of the raw material

areas. But there was no way to

Recycling Manufacturing Scrap

resilient commercial flooring Pieces of off-spec membrane are used to

Duro-Last recycles material in three ways:

• Scrap is recycled back into production

• Leftover material is reground to produce



During the manufacturing process, the maker practices:

- Conservation of energy
- Conservation of water
- Protection of clean air
- Material waste

NSF/ANSI 347

New standard developed by major standards organizations (NSF, ANSI) with roofing industry stakeholders:

- Architects
- Roofing consultants
- Engineers
- Non-government organizations
- Manufacturers

Based on total life cycle, NSF 347 quantifies and documents sustainable qualities of each membrane roofing material:

- Polyvinyl chloride (PVC)
- Thermoplastic polyolefin (TPO)
- Ethylene propylene diene terpolymer (EPDM)
- Ketone ethylene ester (KEE)
- Polyisobutylene (PIB) products



I

Corporate Governance

Is the manufacturer responsible

to its stakeholders?

A good corporate citizen

and designers

Good employer

TOTAL LIFE CYCLE

From raw material to disposal, NSF 347 rates each product in five different areas:

Four levels of third-party verified certification: conformant (lowest), silver, gold, platinum (highest)



Product Design

The membrane is made from environmentally sustainable raw material:

- Minimal chemicals of concern
- Reclaims post-consumer single-ply roofing

membrane

Membrane Durability

How long will it last? The roof's service life is a key factor. It is measured by:

- Quality control measures
- Demonstrated durability in the field
- How much the material itself contributes to durability

For true sustainability, service life in the field is key. Two quality control measures must be in place:

- Documented installer training program



- Employees given opportunity to voluntee for Habitat for Humanity

Has the company introduced new technology, • Reduction of energy consumption or added sustainability value • Investment of capital in renewable to old technology? Points energy at manufacturing plant

Increasing environmentally

Innovation

- awarded for: Reduced water consumption and minimization of waste materials

Want to Learn More?

For more information about NSF/ANSI 347 and Duro-Last's certifications, visit duro-last.com/sustainability or contact us at 866-735-8824.



