Sustainability in Carlisle's Sure-Flex™ PVC

Carlisle SynTec Systems' Sure-Flex PVC isn't just a temporary fix—it's a solution designed with the future in mind. PVC is a fundamentally sustainable material primarily composed of salt water and natural gas, making it the only thermoplastic that relies on less than 50% fossil fuels. PVC resins are naturally inert and durable, which is why they are frequently used outside of roofing in applications like healthcare products or food packaging films. Additionally, mechanically fastened Sure-Flex PVC membranes are fully recyclable at the end of their lifecycle, and PVC can be recycled up to seven times without losing its properties, promoting environmental responsibility.

PRODUCT BENEFITS

PVC CAN BE RECYCLED SEVEN TIMES

ONLY MEMBRANE WITH LESS THAN 50% FOSSIL FUELS

LEVERAGE POST-INDUSTRIAL RECYCLED (PIR)/POST-CONSUMER RECYCLED (PCR) MATERIALS IN WALKWAY PADS/ MEMBRANES

PVC is the most inherently sustainable thermoplastic membrane. The PVC polymers used in constructing the sheet are composed of less than 50% fossil fuels, making it the only single-ply membrane that can boast of these numbers.

Carlisle's PVC incorporates up to 10% pre-consumer recycled content in both PVC and KEE HP membranes. Additionally, no PVC was sent to scrap in 2024, all was recycled.

PROGRAMS

Recycling program with monetary incentive

RESOURCES

- Embodied carbon and EPDs
- Roof Gardens
- Solar Ready Roofing
- Urban Heat Island Effect/ White roofs/CRRC

TYPES OF CONTENT

- Case Study
- EPD
- Carlisle SynTec Recycling Program Sell Sheet

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