



YES, we ARE Green

Duradek Life Cycle

The Facts Behind the Life Cycle

Mining

PVC is a derivative of natural gas and sodium chloride; which is also known as salt, one of the most abundant natural resources. **Duradek is not over depleting the earth's natural resources.**



Manufacturing

At one time, manufacturing of PVC did have hazardous side effects, but because of improvements, **these safety issues no longer exist.** The EPA states that while the manufacturing of PVC is on the rise, toxic dioxins are decreasing.

Transportation & Distribution



Due to the low weight of Duradek compared to many of the alternatives (such as EPDM and pavers or wood decks), **less energy is consumed in the transportation of the product from the raw resources to manufacturing to distribution to the jobsite.**

Building Design

Low product weight means the building structure **requires fewer construction materials to support the vinyl.**

Installation

A one-step installation process requires fewer trips to the job site and consumes less manpower. **This equals less energy used on both fronts.**



Maintenance

Duradek does not require recoating or re-staining, both of which consumes materials and manpower. **Maintaining Duradek consumes less energy than the alternatives.**

PVC waterproofs the structure, helping the building to last longer

Useful Life

Duradek is a waterproof membrane, therefore the structure is protected and will not decay. Due to the waterproofing qualities of Duradek, the structure of the home is protected. **This saves cost and energy in repairs and replacement.**

End of Life



When the time comes to renew Duradek, its installation system will consume less manpower, energy and materials. **The renewal will also cause minimal disruption to the original structure.**

Disposal

Compared to treated lumber, PVC does not decompose and leach chemicals into the environment. **PVC is actually used as a landfill liner to prevent other materials from leaching.** The decking alternatives are larger in volume than PVC, and therefore take up more space in the landfills.

Recycling

The current opportunities for cost-effectively recycling PVC are minimal, but progress is being made. **Some solutions include creating new building materials and man-made reefs.**

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