



# Sarnathin-50™ ROOF SYSTEM

The Sarnathin-50 Roof System utilizes Sika's proven Sarnafil® roofing membrane in conjunction with R-50 Systems' Rich-E-Board™, a 1.5-inch thick, vacuum-sealed insulation with a protective covering on both sides and an R-value (resistance to heat flow) of 50. The slim, lightweight design decreases costs of building modifications and structural retrofits, while creating more usable space.

While conventional insulation can require a thickness of 10 inches or more to reach an R-value of 50, Rich-E-Board achieves the same result at just 1.5 inches thick. Not only is Rich-E-Board mold and fire resistant, but it can be installed on most roof deck types.

The Sarnathin-50 Roof System delivers government-mandated R-values and net zero capability in the slimmest profile ever achieved. It is a sustainable, ultra-thin solution with measurable advantages over alternative products.

- **Proven Performer:** Billions of square feet of Sarnafil membrane have performed with distinction over the past 50+ years in climates of every description.
- **Lower Energy Bills:** An R-value of 50 can cut a building's heating and cooling costs by 8-10 percent, according to a study done by Oakridge National Laboratories.
- **Reduced Construction Costs:** Rich-E-Board can be designed to different dimensions and lightweight – it lowers the cost of delivery and handling and reduces labor costs by more than half.
- **Design Flexibility:** With an incredibly slim profile, Rich-E-Board saves space and expands design options.



**R-50** INSULATION SYSTEMS™