



## When are pockets in your decking a good thing?

When we put them there as part of a Microcellular Core honeycomb

At SunWalk™ we are obsessed with making the best decking surfaces. We are focused on designing, manufacturing and distributing surfaces that are better than the competition. Through the application of our proprietary manufacturing technology, engineering, research and meeting the markets ever changing needs we have created SunWalk, the Superior Surface solution.

The core of our proprietary manufacturing technology is our unique application of structural foam comprising our Microcellular Core Manufacturing Technology.

Who cares, right? But wait, hold up, this is amazing decking technology.

The process of structural foam molding is a low-pressure injection molding process where an inert gas is introduced into melted polymer for reducing density and weight of the finished product while increasing the strength, this is how:

The process utilizes a molten resin that has been injected with nitrogen gas. This mixture is injected into the mold, where the gas expands and fills the mold with the resin. As the resin flows through the mold, the surface cells collapse. Solid skins are formed against the walls of the mold, while the core of the part remains structurally honeycombed. Because the outer skin is solid, and the center of the wall is likened to a honeycomb, the part weight can be reduced up to 20%.

All our products, the 45 Series, our Wood Series and our newest 90 Series are built with this proprietary technology. The 90 Series is by far our most advanced application of this technology to date. Our application of Microcellular manufacturing creates a density and strength benefit that is unrivaled in the industry. Other processes and decking products are more prone to cracking and breakage, but our microcellular manufacturing technology reduces moulded-in stresses preventing cracks and breaks it packs incredible strength. The process pressures in our manufacturing are much lower than in injection molding, thereby producing parts that are structurally sound, almost entirely stress-free and have much less warpage. This process has been used for years in industries where strength and toughness are paramount, we are the first manufacturing company to bring this technology to the marine decking market.



How does SunWalk™ Microcellular Core Technology make a better decking product?

**HIGHEST STRENGTH-TO-WEIGHT RATIO** compared to alternative manufacturing methods and materials.

Parts can be just as strong but weigh 10-30% less

Increased strength and stiffness

Superior impact resistance

More rigid than a solid part

Less stress for less warpage

Inherent sound deadening

Increased strength and stiffness due to honeycomb structure

Consistent surface finish

Cleanability

Chemical and corrosion resistance

Parts that are impervious to the elements

Don't take our word alone for any of this, talk to a SunWalk™ customer, dealer or contractor and test our product for yourself. We're confident our passion and performance comes through in our decking.

How do you make a better dock? Simple – finish it with a better surface.