



Memorandum of Compliance- Washington State

This memorandum serves to document and affirm that Sure-Step Performance Decking products, when properly installed, are in compliance with guidelines & environmental standards for permitted dock construction in Washington State.

Sure-Step Dock Panels are designed to ensure adherence not only to the written provisions of governing requirements, but also to the broader objectives those requirements are intended to achieve. (See: WAC 220-660-140 Residential and Public Docks)

Sure-Step prioritizes partnership with both State and Local agencies, as well as PNW marine contractors, to reduce and mitigate negative effects from “over-water and in-water structures (that) can alter physical processes that create or maintain habitat that supports fish life.”

Sure-Step in the PNW

The focus of PNW dock guidelines attempts to mitigate several environmental concerns including:

- “Shading” via restricted light availability
- Aquatic plant and habitat disturbance
- Chemical and sediment contamination



With an estimated 10,000 + residential docks and floating homes in Washington and Oregon, Sure-step is committed to being part of responsible waterfront building for the region. The majority of legacy docks, estimated as high as 80% (*North American Deck and Railing Association*), use Pressure Treated Lumber as the dock surface, contributing to the concerns previously listed.

Projects using Sure-Step, flow through grated panels, contribute to a future where residential and recreational demands on the sensitive waterfront environment, are handled with maximum care and stewardship.

Compliance

(E) A dock or float **six feet wide or narrower must have at least 30 percent of the deck surface covered in functional grating.** A dock or float wider than six feet (up to eight feet wide) must have at least 50 percent of the deck surface covered in functional grating. **The grating material's open area must be at least 60 percent.** In some water bodies the department may require a higher proportion of grating...

(F) If only the minimum deck surface area described in (c)(iv) of this subsection is grated, the grating material's open area must be at least 60 percent unless the grating covers more than the minimum deck area. **If the grating covers more than the minimum deck surface area, the grating material's open area can be reduced to at least 40 percent open area.**

The *minimum*, net “open area” equates to **<Example 1>**

50sf of dock surface x 30% functional grating x 60% open area = 9sf. This results in a dock with a minimum of **18%** of the total surface permitting light pass-through. (grating calculation)

- The majority of dock builds using Sure-step panels as *Functional grating*, are designed and regularly installed with closer to **85-100%**, well above the minimum 30% threshold, and thus, defaulting to section (F).
- Sure-Step Panels, calculated per 10sf section, installed per manufacturers recommended spacing, achieve open area between **40-44%**. Resulting functional light availability achieves **75% and above** on average!



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SURE-STEP™
PERFORMANCE DECKING

A dock assembly using Sure-Step performance functional grating, results in a dock assembly that meets and exceeds these light minimums, see **<Example 2>**

50sf of dock surface x 90% (avg) *functional grating* x 42% (avg) *open area* = 19sf. This results in a dock with 35% of the total surface permitting light pass-through (grating calculation); **nearly double the minimum benchmark.**

In addition, using Sure-Step as the functional grating component in a dock project, contributes to overall reduction in environmental impact by:

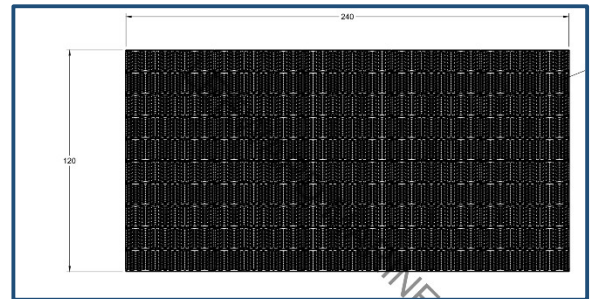
- **Creating a modular, easily repaired assembly** - Minimizing shoreline & environmental disruption
- **Requiring less material for structural members** - Further maximizing light penetration
- **Releasing Zero chemical pollutants into water** - Overall reducing in trace chemical leaching
- **Extending dock assembly lifetime**- reducing "remove & replace" construction on existing structures
- **Maximizing the sun's elevation arc due to our unique *Chevron* openings**- Surpassing unidirectional openings in light duration, while simulating natural shade patterns of shoreline foliage.

44%

High UV Stabilizer Additive



<Example 3> See Approved Dock drawings achieving 100% functional grating. This example from the Olympic Peninsula was commended and approved for build permits, as a model for permit application and compliance.



Total Dock area = 120" X 240" = 28,800"sq
Total Framed + float Area = 13355.65"sq
Grating on over 100% structure
Total Open area = Total dock - total framed = 28800"sq - 13355.65"sq = 15444.35"sq
% of effective grating area = 15444.35"sq / 28800"sq = 53.6%

Sure-Step, with our dealers and contractors, are committed to the goals of State and Local agency partners. This is achieved through coordinated best practices, thoughtful design, environmentally considerate manufacturing, and a promise to be stewards of the habitats where we work, recreate and live. Thank you for your consideration and please contact us with any questions.

For Additional Resources See:

Sincerely, Barrett Reiner

Sure-Step National Business Development Manager

Portland, OR

State of Washington County of Thurston
Subscribed and sworn to (or affirmed) before me
on this 7 day of July, 2024
by Barrett Reiner
proved to me on the basis of satisfactory evidence to
be the person(s) who appeared before me.

Karen Jean Wolcott
Notary Public Signature

KAREN JEAN WOLCOTT
Notary Public
State of Washington
Commission # 22018616
My Comm. Expires Jun 17, 2030

