

What to Expect

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It's a really good question: "What's going to happen over time?"

The most honest answer is: "It depends."

It depends on the amount of physical use, the exposure to the elements, and the general climate where the product is placed.

We have been observing a year-round rooftop installation at a multi-family residence in Iowa to better understand what can happen over time. Here is what we are finding...



May 2023

400 River

Installation date May 2022

Review date May 2023



Application: Multi-Family Rooftop Patio

- This application is in a moderately used amenity space of a 55 unit apartment building.
- It is mostly used for small gatherings, cook-outs, and occasionally a poker game.
- It is a private space only used by residents, their guests, and a few Airbnb folks.

Climate: 4 Seasons

- Located in Davenport, Iowa, on the banks of the mighty Mississippi.
- The temperature range and relative humidity range in this region is very wide. Winters are dry and will dip below 0°F. Summers are humid and can exceed 100°F.
- This product has not been stored in a climate controlled environment at any time.

Exposure: Full

- The installation has been outdoors, without overhead protection or coverings.
- Some areas are partly shaded with pergolas.
- This installation did not receive regular housekeeping. The residents were responsible for cleaning before and after their use. Being fully exposed, it has seen rain, ice and snow accumulations that were left for extended periods.

We believe the best way to judge performance over time is to examine the finish, dimensional stability, and surface and end checking. These images were taken after one year of use.

Finish

- Product was finished in Toffee (which is a medium brown and our most popular color).
- The color retention is very good with no perceived fading or color change.
- There is a minimal decrease in the gloss level of the wood finish.
- There is slight increase in the “feel” of the surface grain.
- No through-finish scratches or damage have been observed.
- Some seating surfaces had slight marring (probably from metal keys or clothing trim).



Opinion: We believe the finish will perform within an acceptable range for the warranted life of the product.

Though not seen yet, as product ages, we anticipate some fading and color change within that time period, especially because this is a full sun application. Depending on the actual use of the product, scratches and wear will likely accumulate.

Since our finish is more akin to a penetrating stain rather than a "top coat," we do not expect any cracking, peeling, or yellowing.

Dimensional Stability

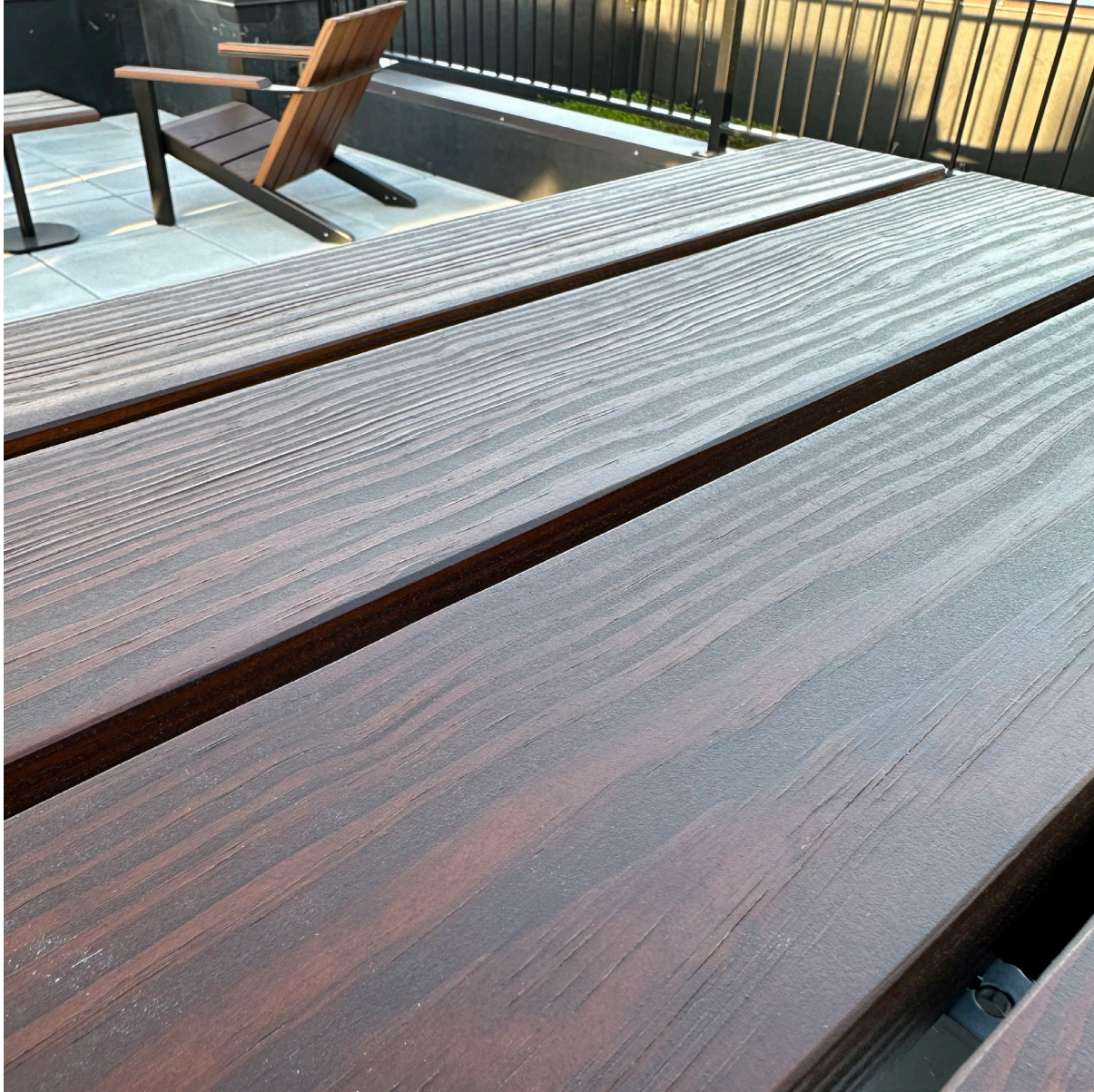
- No structural or functional deterioration has been observed.
- No warping, twisting, hooking or other changes in board shape has been observed.
- Minimal cupping of individual boards has not exceeded 1/16" over tables up to 45" wide.



Opinion: There is no indication that the wood will "move" significantly more that what we have seen so far. We are confident the product will function as intended for its life span.

Checked Ends and Surfaces

- On some boards, checking has appeared.
- It has been observed on less than 10% of boards.
- Depending on the humidity and rain, their noticeability varies slightly from day to day.





Opinion: Each individual piece of wood behaves slightly differently and will continue to age. The way in which the products are designed accommodate for these natural and variable attributes so they will not negatively impact the overall usefulness or structural integrity of the product over it's lifetime.

