

SANDING & ABRASION



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**NYDREE ACRYLIC INFUSED MAPLE\***

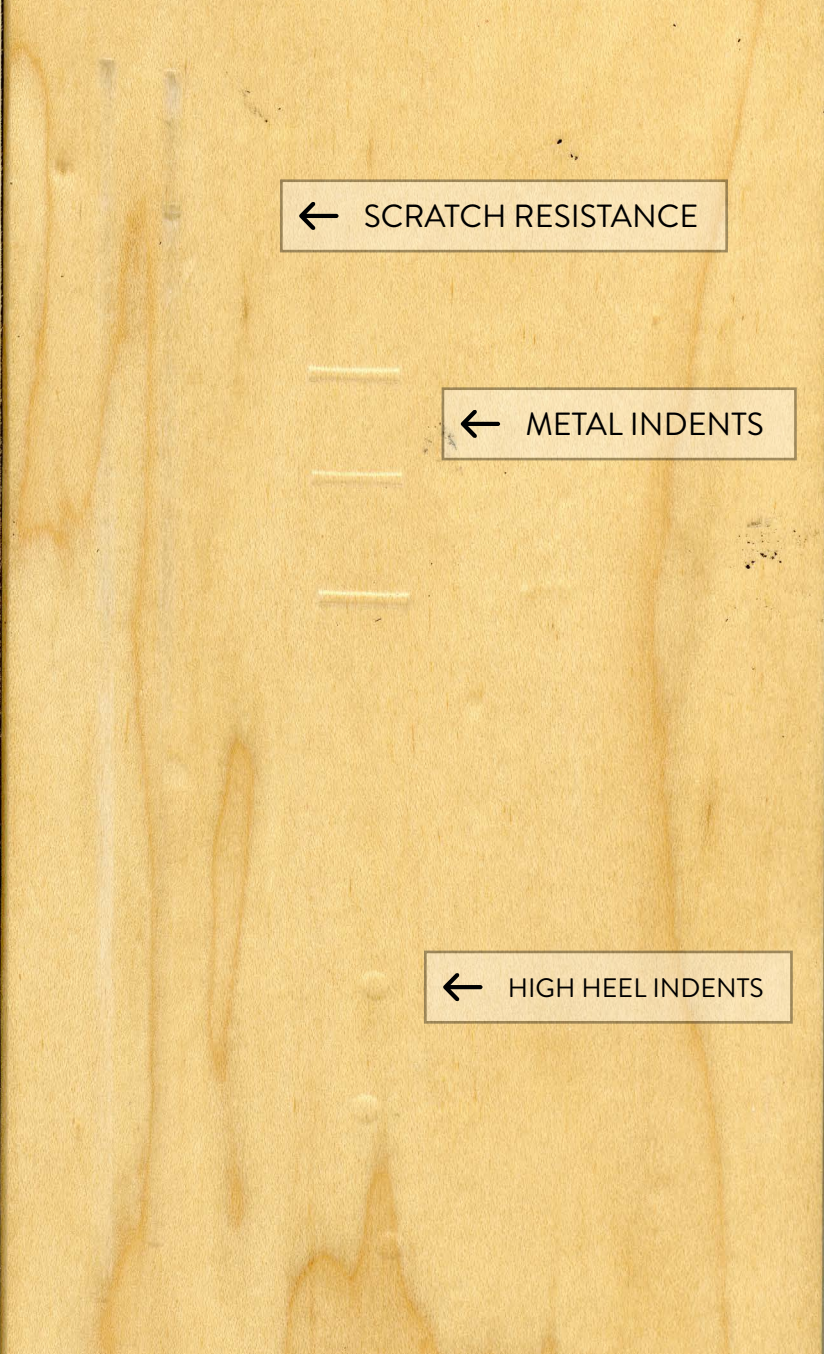
traditional non-infused maple



← SCRATCH RESISTANCE

← METAL INDENTS

← HIGH HEEL INDENTS



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← METAL INDENTS

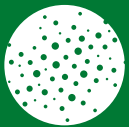
← HIGH HEEL INDENTS

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Using our proprietary technology, Nydree's craftsmen create flooring and wall planks by combining multi-ply, marine-grade Baltic birch, ANSI Type II water-resistant laminating adhesive and a 1/10-inch-thick layer of acrylic-infused wood. The result is a product that is up to 300% harder than natural wood. **We conducted the following tests to show you this product's benefits.**



## Sanding & Abrasion

We used a Taber Abraser to sand the wood finish, replacing the abrasive strips every 200 cycles. As you can see, the traditional non-infused maple with the best finish we could find shows complete finish removal after just 2,000 cycles. Nydree emerged virtually unmarked. Imagine how well it can perform in your project's high-traffic areas.



## Scratch Resistance

Coating performance is key when it comes to flooring. To test Nydree's scratch resistance, we used a loop stylus to simulate a 10 kg object being dragged across the wood. Nydree emerged unmarked. The traditional wood, not so much.



## Metal Indents

This test was originally designed to measure the indentation hardness of metals. We modified the indentation penetrator so that we could get results on wood/plastic composites. The results in this case showed the Nydree infused maple to be more than 300% harder.



## High Heel Indents

This test measures the impact of a 125-pound person with 1/4-inch-diameter high heels. As you can see, she barely made a dent.

\*Loop scratch and indent tests on partially infused species such as walnut show these woods to be less resistant than maple.