



UNCOVERING THE REAL COST OF VCT vs. NORA[®] RUBBER IN K-12

Evidence-based data demonstrates the impact of maintenance protocols on coated vs. non-coated resilient flooring.

Maintenance Practices Have a Substantial Impact on Total Cost of Ownership (TCO)

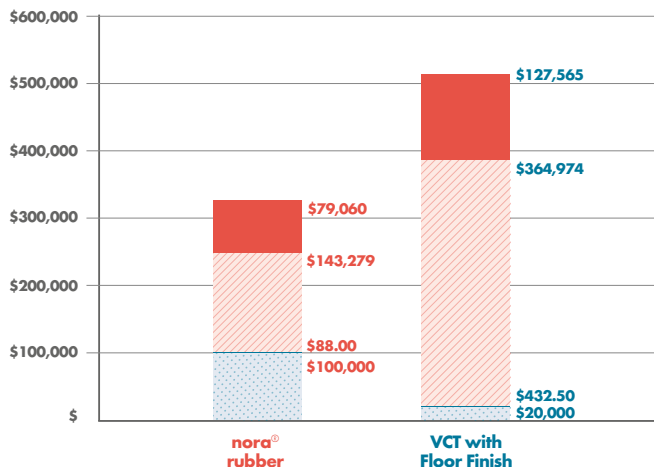
Flooring is a critical capital investment decision for educational facilities. It is crucial to evaluate a resilient flooring material's long-term cost effectiveness in relation to its initial costs.

The WHY

We know it's hard to compare resilient flooring types on your own. So, we did it for you. Our third-party validated¹, proprietary tool evaluates the overall value of flooring by measuring the initial purchase cost against the total cost of ownership (maintenance costs over the life of the floor).

nora[®] rubber could save you **\$102,632.50 over VCT** for every 10,000 sq. ft. for the life cycle of the floor*

TOTAL COST SAVINGS PER 10,000 SQ. FT. *



- Cost of cleaning supplies for the total life cycle of the floor**
(excludes equipment, pads and mops for both nora rubber & VCT)
 nora rubber **\$79,060** VCT with floor finish **\$127,565**
- Labor costs to maintain the floor for the total life cycle**
(including stripping/burnishing (no chemicals))
 nora rubber **\$143,279** VCT with floor finish **\$364,974**
- Pre-occupation cost**
(includes labor, cleaning and finishing the floor to occupy the space)
 nora rubber **\$88.00** VCT with floor finish **\$432.50**
- First-cost**
(includes materials, shipping and install)
 nora rubber **\$100,000** VCT with floor finish **\$20,000**

*Chart and calculations show 35 years of costs, spreading out and equalizing costs to show VCT's 25 year life cycle costs (including projected installation costs for new VCT at the end of its 25 year life cycle) compared with nora[®] rubber's 35 year life cycle costs. Comparison is of products in a K-12 education setting, incorporating variables such as initial product installation, labor, cleaning (labor and cost of cleaning supplies), and use needs. Calculations are estimates only and will vary based on specific flooring variables. More information on these variables provided below.

¹Wingler, D. (2018, October 9). A life-cycle cost analysis of resilient flooring materials in acute-care facilities. *Journal of Hospital Administration*, 71(5), 70-80.



The HOW

- Our proprietary cost calculator considers the purchase cost along with variables such as the type of building, square footage of flooring space, flooring application, and labor costs.
- We use data from the industry-leading International Sanitary Supply Association (ISSA) standards to assess maintenance labor costs.
- The LCCA also accounts for differences in maintenance protocol for classrooms and hallways given that associated man-hours vary in these areas.

What We Found

- Initial costs are not a direct indicator of life cycle costs
 - nora rubber will likely have a higher first cost than VCT, but our testing indicated that under typical settings, it will result in a lower life cycle cost.
- Coated VCT floors require labor-intensive maintenance
 - VCT must be stripped, waxed and buffed regularly, requiring special equipment, harsh chemicals and more labor hours
 - nora rubber requires no waxing, stripping, or coating and can be cleaned with little more than water

Potential Cost Savings to the District based on the data

American School & University states that the average:



Elementary school is
62,800 sq. ft.²



nora rubber estimated cost savings over the life cycle
\$644,328



Middle school is
100,000 sq. ft.²



nora rubber estimated cost savings over the life cycle
\$1,026,325



High school is
120,500 sq. ft.²



nora rubber estimated cost savings over the life cycle
\$1,236,330



nora[®]
by Interface[®]