



VERDUREN™

Hygienic Sustainable Seamless Flooring for Healthcare

A revolution in resilient flooring.

1098 Chestnut Bend, West Plains, MO 65775 / 877.948.0063 / verduren.com

Sustainable Durability

Verduren:

- Is a blend of pure, sustainable and natural materials: cork, vegetable oil, wood-flour, limestone and natural color pigments.
- Is poured onto the subfloor on-site where it sets overnight at ambient temperatures to create a seamless, resilient and hygienic floor with self-healing properties. The next day a highly durable antimicrobial urethane finish is applied and then UV cured, leaving the Verduren floor ready for full use immediately upon completion of installation.
- Is FloorScore certified, fulfills the German AgBB requirements for safe Indoor Air qualification for safe indoor usage and is LEED and BREEAM certified.
- Is an environmentally friendly product that is 100% all natural with no plasticizers, no cut waste, both PVC and VOC free, and no red list ingredients of any kind. All materials are 100% recyclable and biodegradable.

Maintenance

Verduren:

- Has minimal maintenance costs due to its seamless nature, durable finish, and high chemical resistance. Verduren is water-tight, and can be cleaned and disinfected with most standard cleaning products.
- Has unique self-healing properties which allow small scratches and indentations to virtually disappear, though intensive use over time can cause some unavoidable markings.
- Scratches will not affect water tightness, hygienic properties, or the clean-ability of the floor.
- On-site pouring application allows for repair of damages to be done quickly and easily, making repair spots blend well with surrounding area.
- Can be resurfaced quickly and economically, with no need for removal, after many years of intensive use, or if a design change is desired.



Hygiene & Safety

Verduren:

- Combined with water tightness and an excellent resistance against a wide range of chemicals, it is the perfect flooring solution for healthcare, education and other commercial applications.
- Provides a seamless resilient floor covering, free of joints and weldings.
- Achieves custom slip resistant properties with optional protective coatings.
- Can combine different slip resistant spaces seamlessly into one area, without sacrificing the clean-ability of the floor.
- Can seamlessly integrate a hygienic cove base into the floor.

Design Freedom

- Choice of color and shape personalizes your environment.
- 54 Beautiful colors to choose from including custom color fulfillment.
- Pourable application allows for any custom shapes or design detail.

Classifications & Technical Data

CLASSIFICATION EN 685 • EN 10874 • ASTM F-2034* • ASTM F-2195*



CLASS 23 DOMESTIC HEAVY
Minimum thickness 2 mm



CLASS 34 COMMERCIAL VERY HEAVY
Minimum thickness 2 mm



CLASS 43 INDUSTRIAL HEAVY
Minimum thickness 2.5 mm

TECHNICAL DATA



RESISTANCE TO INDENTATION
EN ISO 24343-1 • 0.03 mm • ASTM F-1914 • 0.001inch / 750 PSI



EFFECT OF A FURNITURE LEG
EN 424 • No damage • Static Load Limit: exceeds 1000 PSI when tested in accordance ASTM F-970-00



ABRASION RESISTANCE
ASTM D4060 -14 • CS17 • Wheels/10N/1500 cycles • 55 mg



ELECTRICAL BEHAVIOR
EN 1815 • < 2 kV



LIGHTFASTNESS
EN ISO 105-B02 • 7 - 8 • ASTM F-1515 • 7 - 8 (1-Severe change, 8-No change)



FLEXIBILITY
EN 435 • 20 mm, no cracking • ASTM F-137-08 • 0.79 inch, no cracking



RESISTANCE TO CHEMICALS
EN ISO 26987 • No changes • Passes in accordance with ASTM F-925 • No change



STAINING RESISTANCE
EN 423 • Category 1+2: level 5, Category 3: level 4/5



CIGARETTE RESISTANCE
EN 1399 • Proc A (stubbed out) ≥ level 4 • Proc B (burning) ≥ level 3



THERMAL CONDUCTIVITY
EN ISO 12524 • 0.15 W/m.K, suitable for underfloor heating • ASTM C-518-17 • 0.15 W/m.K



ACCOUSTICAL IMPACT NOISE REDUCTION
EN ISO 717-2 • ASTM E-2179 03 • ΔLw = 8dB VERDUREN



THICKNESS SWELLING
EN 13329 • < 0,8%



WATER TIGHTNESS
EN 13553 • Watertight



SUITABILITY FOR USE IN INCIDENTAL HUMID CONDITIONS
EN 426 • Suitable



CE NUMBER
15 • DoP08CORQ017 • EN 13813:2002



VERDUREN
Contains recycled content



REACTION TO FIRE EN 13501-1 • Bfl-S1 • Class 1 when tested in accordance with ASTM E-648 Critical Radiant Flux • Meets 450 or less, when tested in accordance with ASTM 662/ NFPA 258 Smoke Density



CASTOR CHAIR CONTINUOUS USE EN 425 • 25.000 • Slight change in appearance • no delamination • ASTM D-6962 • 25.000 • slight change • no delamination



SLIP RESISTANCE DIN 51130 • R9 standard / R11 upon request • EN 13893 • DS: ≥ 0,30 • Meets or exceeds the industry recommendation of >0.5 for flat surfaces when tested in accordance with ASTM D-2047

* However the ASTM F-2034 and the ASTM F-2195 are designed for sheeted or tiled linoleum, Verduren fulfills or exceeds all technical requirements mentioned in these ASTM normatives.