



NDURANCE

LIQUID RUBBER FLOORING

Declare.



COMPOSITION

Ndurance is a biopolymer based rubber flooring with up to 25% recycled content. Providing a flexible feeling and comfortable floor covering.

FIELD OF APPLICATION

Ndurance is a tough, flexible seamless comfortable floor covering. Ndurance can be used as a seamless decorative floor covering in the education sector, medical sector, offices, museums, but is also suitable for domestic surfaces. In short Ndurance is a perfect solution for floors where the owners and users have a high demand on comfort, wear and impact resistance and hygiene. Ndurance is a seamless solution from wall to wall.

PROPERTIES

After years of intensive use Ndurance can be re topped at a fraction of the initial costs or even removed without leaving behind residue. After removal it can be fully recycled by shredding and reusing in a new floor.

LOOK AND FEEL

Ndurance has an unique look which is being determined by the recycled material inside. Many colors are available. Ndurance is finished with a matt look.

- Skid resistant version available
- Revitalisable
- Self-leveling surface
- Stays flexible over time
- No cutting losses
- No adhesives required
- Wear resistance

LAYER THICKNESS

2 to 2,5mm.

MAINTENANCE

Regular removal of dust and if necessary wet cleaning with a neutral cleaning agent. For further instructions see the maintenance instruction guide.

INSTALLATION

The concrete or screed subfloor has to be primed and levelled with a self levelling smoothing compound to obtain a flat and levelled surface. Uneven surfaces have to be leveled by e.g. diamond grinding prior to the levelling compound.

All dust and loose parts have to be fully removed from all surfaces before the product is applied, preferably using a brush and/or industrial vacuum cleaner. Prior to the installation of the Ndurance a suitable primer needs to be applied. During the installation the room temperature needs to be at least 62 °F (15,5°C). The floor temperature need to be at least 59 °F (15°C) and minimum 3 °F (3 °C) above the dew point.

Ndurance is walkable 24 hours after the installation. The complete chemical and mechanical properties will be achieved after 7 days of curing at a minimum temperature of 15°C.



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CLASSIFICATION



CLASS 23 DOMESTIC HEAVY
Minimum thickness 2 mm



CLASS 34 COMMERCIAL VERY HEAVY
Minimum thickness 2 mm



CLASS 43 INDUSTRIAL HEAVY
Minimum thickness 2 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 • 5/7 - 8 • ASTM F-1515 • 5/7 - 8 (1-Severe change, 8-No change). Dependent on the selected colour.



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 (stubbled 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 12524 • ASTM E-2179 03 • ΔLw = 8dB Ndurance • 15dB Ndurance Comfort



THICKNESS SWELLING
EN 13329 • < 0,8%



WATER TIGHTNESS
EN 13563 • Watertight



SUITABILITY FOR USE IN INCIDENTAL HUMID CONDITIONS
EN 426 • Suitable



CE NUMBER
25 • DoP06NDR0025 • EN 13813:2002



NDURANCE LIQUID RUBBER FLOORING
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 NEN 7909:2015 • DCOF: ≥ 0,40 • DIN 51130 • R9/10 standard / higher upon request • Meets or exceeds the industry recommendation of >0.5 for flat surfaces when tested in accordance with ASTM D-2047

* Even though the ASTM F-2034 and the ASTM F-2195 are designed for sheeted or tiled linoleum, Ndurance Liquid Rubber Flooring fulfills or exceeds all technical requirements mentioned in these ASTM normatives.



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