

VERDURENTM

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Verduren

Product description:

Verduren is a natural cast floor based on bio-resins, linseed oil, wood flour, cork, natural fillers and pigments. This comfortable, walking-friendly, natural cast floor with matte surface. The elastic character ensures a high wear resistance and limitation of contact sound. The floor finish is seamless, durable, liquid-proof, and low-maintenance. Verduren can easily be applied following the step by step instructions. To achieve the best result, before you start to apply the product, be aware of the following

- Mineral and Concrete Subfloors must be treated beforehand with a primer. Synthetic surfaces must be scuffed using appropriate disc or pads
- New Subfloors must be sufficiently cured.
- Surface must be clean, dry, dust and grease free.
- Cracks and minor damage should be repaired or filled using a suitable high quality repair material. Defects may show
- To achieve the right quality, be aware that the temperature in both the room and subfloor is not too high or too low. The lower the temperature the longer it takes for the coating to harden. The higher the temperature the faster it will dry. We advise you to ensure that the temperature is not lower than 55F and no higher than 75F. This includes to both the subfloor and the environment.
- The open tie time of the Verduren mixture is approx. 40 minutes after the mixing of the components. After you have created the components, you must process them immediately.
- Only use a smooth trowel/spatula or squeegee, notched trowels or squeegee may leave variable patterns.
- Use protective clothing. Although the products are not harmful or dangerous, we recommend that you use protective equipment when working with sticky resins. Protect your eyes with safety goggles, wear long-sleeved shirts, wear long pants, and protective PVC gloves. If you still get something on your skin, immediately remove any contaminated clothing and immediately clean your skin with plenty of soap and water, preferably in the shower. If you get resins in your eyes, rinse them with running water for 15 minutes and then go to your doctor.
- It is better not to eat, drink and smoke while processing the products.

Method:

Preparation subfloor

1. Surface should be treated with a primer or scuffed as needed using proper tools. The surface must be dry, greasy and dust-free.
2. Make the floor dust-free. The best thing is to vacuum the floor multiple times. Pay extra attention to the sides and corners.

Preparation for mixing

1. Check the packaging first. Our products consist of 2 components. The A component is packed in a plastic/metal bucket. The B component in a plastic jerry can. Take a good look at the packaging whether you have the right components together. Always put the A + B component together so that no mistakes can be made. Be sure to use all of the B component
2. Create a spot and cover it with drop cloth where you can mix the components together. This prevents the surrounding areas against splashes of un-mixed material on your floor during mixing, and prevents possible contamination of the floor surface which could result in soft spots.

Mix the components

1. Use a paint-mixing tool or thinset mixer for mixing. Place the attachment on a drill. Manually mixing the products with a stirrer leads to soft spots in the floor nine times out of ten times. We do not recommend this.

Application of the mixed components

1. Pour a small puddle of the Verduren onto the subfloor and spread it with a trowel.
2. Aerate by good crosswise roll with a plastic pin roller. **DO NOT USE METAL PIN ROLLERS**
3. After curing the Verduren, it must be sealed with Waxnomor, Marknomor or Waxnomor Neo Sealer (without solvents and isocyanates). Consumption of the Verduren is approx. 2.5 - 3kg/m² (1/2 lb/ft²), depending on the layer thickness.
Drying time is approx. 16-18 hours at 75 F°. Apply the Sealer after 18 but within 48 hours after application of Verduren. Before you seal the floor, it is possible, but not necessary to sand it with grain 150, this will lead to an optic with more cork visual.

Points of attention

The Verduren is solvent-free, but can provide a special smell during curing. Ventilate adequately during work in a closed work area.

The maximum humidity must not exceed 80%. The dew point must be 25F° higher than the surface temperature to prevent condensation. Processing at a minimum of 55F° and a maximum of 75F°. The surface must be dry (below 4% CM measurement).

The substrate must have an adhesive strength of at least 1.5 N / mm². The surface may not contain detaching properties, other sealers, or hydrophobic properties.

Packaging

Packaging 20 kg A+B (16,75 kg A component & 3,25 kg B component) one package will cover approx 70 to 85 ft²

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Eigenschappen en voordelen	Kenmerken
Seamless	Density: approx 1,52 g/cm ³ *
Solvent-free	Solid content: 100 %
Comfort color range	Viscosity 23°C: approx 1635 mPa's **
Permanent Flexible	Dust free after (at 23°C): approx 7 hour
Impact and abrasion resistant prolonged heavy static load can lead to point damage in the floor	Walkable at 23°C: approx 16 hour
Approx. Shore D 40	Chemical resistance: After 7 days
UV Stable	Curing: free of shrinkage
Natural fillers	Potlife: 40 min
	Tensile strenght: >1,5N/mm

Shelf life approx. 1+ years for Component A 6 to 12 months component B at a proper storage The above characteristics are averages. By using natural raw materials in our products the actual value (of the delivered product and batch) may cause minor deviations. This without detracting from the product suitability.

*DIN53217

**DIN53018-1-4.2

*** 100 gram bij 23°C

Protect the product against frost

Verduren supplies its products and services according the description as laid down in these technical specifications. Because Verduren is not familiar with or in control of the manner in which and the circumstances under which the products are treated or installed and therefore have no influence at all in the use, Therefore Verduren has no liability for damage resulting from the use of its products. These technical specifications dated 15-11-2017 are informative and can be changed at any time.