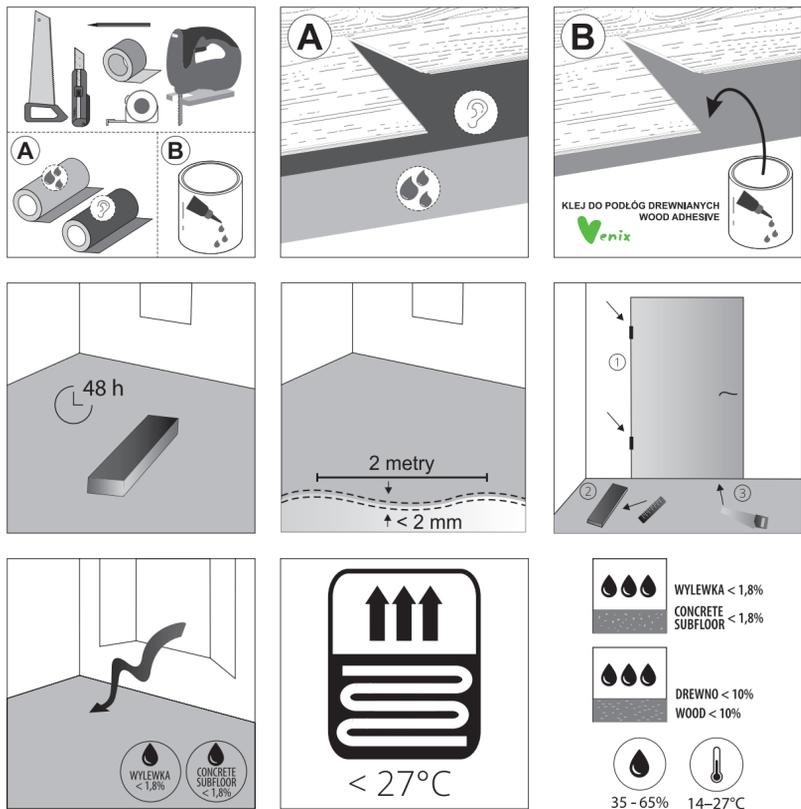


I PREPARE

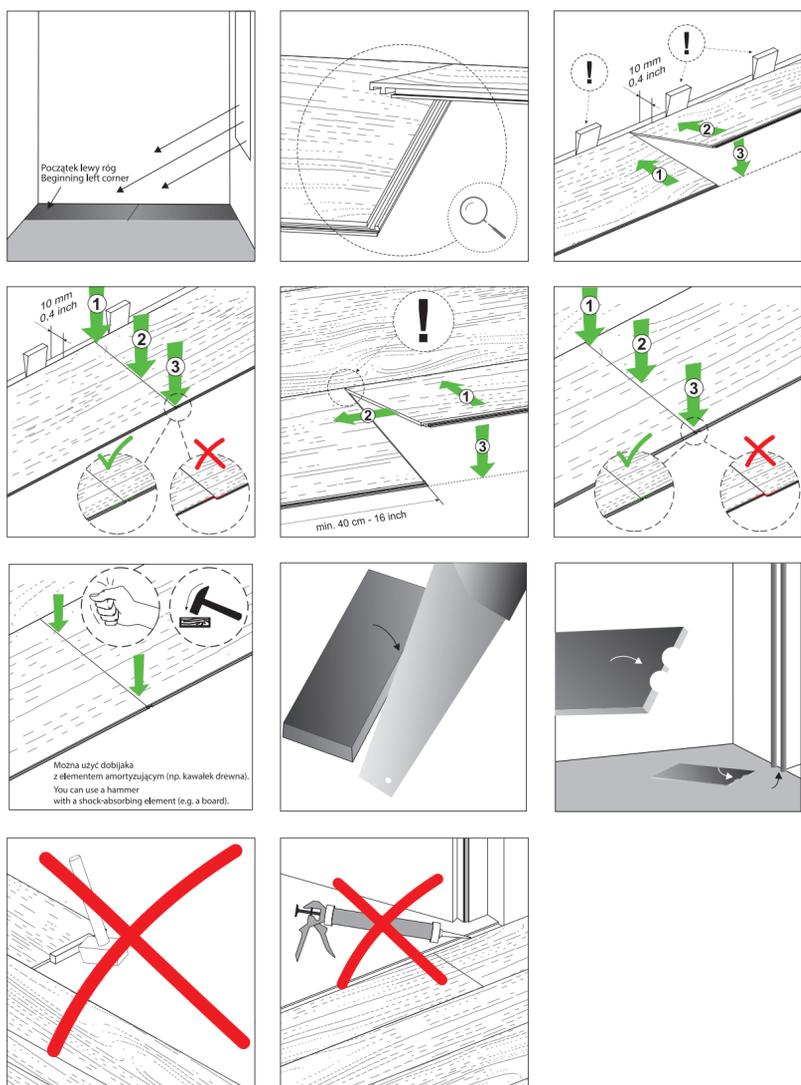


Venifloor®

wooden floorings – **NEW GENERATION**



II ASSEMBLY



Flooring Venifloor is 114% harder than layered oak board.*
Below is a presentation of hardness – the „Poldi” method made with a 1 kg weight.



COMPARISON OF FLOOR HARDNESS (pine board | layered board | Venifloor board)



The hardness of the Venifloor floor
a slight trace of the varnish coat



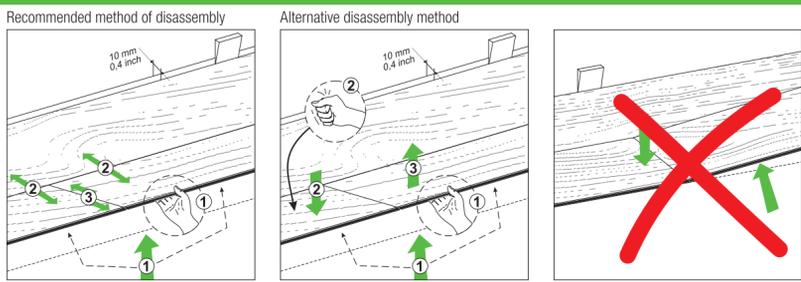
Hardness of a layered board
strong damage to the varnish coat and layers of wood



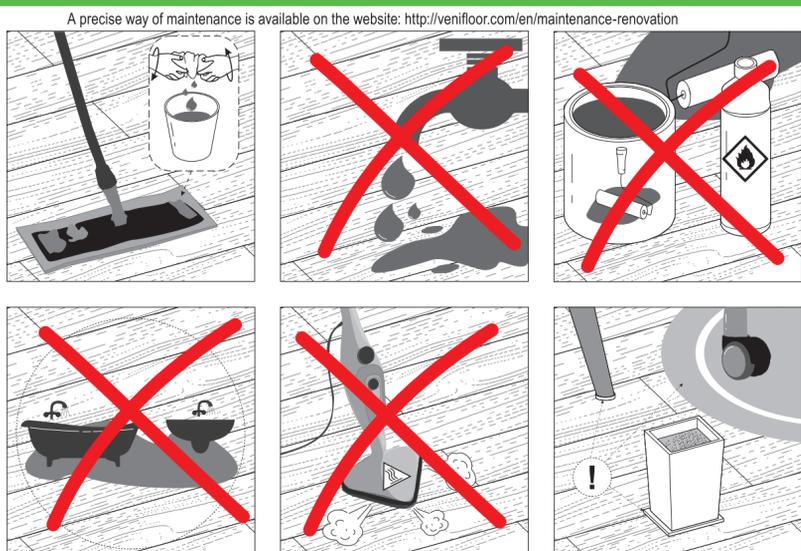
Hardness of a pine board
very bad damage to the coating varnish and devastation of the wood layer

The research was carried out by independent research institutes (details: www.venifloor.com/o-venifloor/badania-podlogi-venifloor):
1. Politechnika Śląska, Wydział Inżynierii Biomedycznej, ul. Roosevelta 40, 41-800, Zabrze.
2. Politechnika Łódzka, Katedra Fizyki Budowli i Materiałów Budowlanych, Al. Politechniki 6, 90-924 Łódź.
3. Szkoła Główna Gospodarstwa Wiejskiego, Instytut Nauk Drzewnych i Meblarstwa, ul. Nowoursynowska 159, 02-776 Warszawa.

III DISASSEMBLY



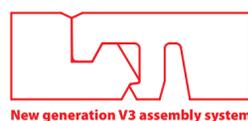
IV MAINTAIN



- WEAR LAYER:**
6 layers of UV-lacquers + CORUNDUM**
6 layers of UV-lacquers + CORUNDUM**+ brush or oilwax + brush
- Possibility of installation on underfloor heating**
- Natural warmth of wood**
- ECO: protection of tree stands**
rational usage of wood
- Sanding/scraping turns into history when using hard waxes**
hardness + abrasion + easy renovation + price
- Fast and comfortable installation (V3 lock)**
intellectual property of Venifloor, OHIM № 002693481-00
- Increased resistance to slippage**
- Increased resistance to dampness – for use in the kitchen**
HDF board with higher water-resistance
- UNIQUE WIDTH 21 cm**
- Attractive price of wood**
- GWARANCJA 15/10**
Up to 15/10 years of guarantee***
in accordance with the Warranty Conditions (using auxiliary materials from the VENIX line)

*The test carried out by the Brinell method applies to wood of the species Oak, oil-wax finish and demonstrative character.
**CORUNDUM – common name for aluminium oxides.
***Applies to residential use in a UV + KORUND / oil-wax finish. Protocols on floor installation and moisture measurements are required to maintain the warranty. Warranty conditions: venifloor.com/o-venifloor/do-pobrania

Thank you for your trust and we congratulate you on a good purchase!



INSTALLATION INSTRUCTIONS

VENIFLOOR FLOORS

Information on floating installation

Information on adhesive installation

1. BASIC INFORMATION

Before you start working with any mounting system, please read the following instructions carefully. This is one of the conditions, as well as the most important elements of proper installation and subsequent use, to enjoy your new floor for a long time and maintain the warranty.

In the glueless / floating system, the installation of Venifloor floorings is very simple and if you follow the instructions below, it can be done without the help of a qualified specialist. The floor can be used immediately after the assembly is completed.

In our manual, the so-called „Subfloor“ means the surface on which Venifloor floorings are placed and is defined as a **mineral / wood / wood subfloor**. The mineral substrate includes, among others cement screeds, **anhydrite screeds** – also heating screeds - and **concrete**.

Preparation of the mineral substrate: The substrate must be even (clearance, unevenness on a 2 m long patch must not be greater than 2 mm, steps not greater than 1 mm), dry, free from dirt, scratches and cracks. Adhesion-inhibiting substances must be removed, dusted off and thoroughly vacuumed. Before starting the works, the compliance or non-compliance of the mineral / wood-based / wooden substrate etc. with the Technical Design should be confirmed with a protocol and the basic parameters of the substrate and interior climate should be checked: air and substrate temperature, relative air humidity, surface hardness, substrate homogeneity, residual moisture of the substrate. The results should be included in a protocol confirmed in writing by the user and contractor / installer.

2. PREPARATION OF ACCESSORIES AND MATERIALS

Auxiliary tools for the installation of the floor:

- saw, small hand saw, square, pencil, ruler, knife;
- tape measure or tape measure;
- rubber hammer with tapping block (protecting the connection point against direct impact);
- mohair roller / microfibre / velor, float / putty for applying **TKB B11** or **B15** glue, spacing wedges for expansion joints.

AUXILIARY MATERIALS RECOMMENDED IN THE SYSTEM:

☞ “Floating” without underfloor heating to maintain the warranty:

- **Venix PRIMING D (water)** dispersion primer to bind dust and dust or **Venix PRIMING FAST PU (polyurethane)** to strengthen the surface of a mineral substrate;
- attested PE vapor barrier foil 0.2 mm, tape for connecting the vapor barrier foil;
- stabilizing primer, which provides adequate support and stabilization of the locks, with a density of at least 250 kg/m³ (±10%), with a thickness of **2 to 3 mm**, made of wood shavings, e.g. STEICO, CEZAR;
- **Venix P 50** vapor barrier tape for connecting the **Venix 2.0** underlay, resistant to moisture;
- Due to the stability of the locks, the manufacturer of the floor **suggests** the use of a stabilizing / damping mineral (quartz) **Venix 2.0** underlay - foil laminated on both sides or a substitute with a density of not less than 780 kg/m³ (±10%) and compressive strength not less than 220 kPa.

ATTENTION! In the case of using the **Venix 2.0** underlay - foil on both sides, we do not use attested 0.2 mm PE vapor barrier foil.

☞ “Floating” with electric or infrared underfloor heating to maintain the warranty:

- **Venix PRIMING D (water)** dispersion primer to bind dust and dust or **Venix PRIMING FAST PU (polyurethane)** to strengthen the surface of a mineral substrate;
- aluminum foil of thermal insulation pad with aluminum foil – pad with a thermal resistance of at least 85°C and with a minimum density of 780 kg/m³ and a maximum thickness of 1.8 mm;
- **Venix 2.0 Electric** mineral (quartz) undercoat - double-sided foiled with a density of not less than 780 kg / m³ (±10%) and compressive strength not less than 220 kPa and thermal insulation not less than 0.009 m²/K/W;
- **Venix P 50** vapor barrier tape for connecting the **Venix 2.0 Electric** underlay, resistant to moisture;
- **Venix PT 37** thermal seals.

☞ “Floating” with water underfloor heating built into a mineral or electric substrate in a layer of an appropriate self-leveling mass in order to maintain the warranty:

- **Venix PRIMING D (water)** dispersion primer to bind dust and dust or **Venix PRIMING FAST PU (polyurethane)** to strengthen the surface of a mineral substrate;
- **Venix 2.0** mineral (quartz) undercoat – double-sided foil or substitute with a density of not less than 780 kg/m³ (±10%) and compressive strength not less than 220 kPa and thermal insulation not less than 0.009 m²/K/W;
- **Venix P 50** vapor barrier tape for joining the **Venix 2.0** underlay, resistant to moisture;
- **Venix PT 37** thermal seals.

☞ “Glued” without heating and with water underfloor heating built into a mineral or electric substrate in a layer of an appropriate self-leveling compound in order to maintain the warranty:

- Using the gluing technology required for VENIFLOOR floorings, we obtain:
- Extending the life of the floor, which is quieter, stable and even, more resistant to furniture loads and moisture, increases the life of the locks.
 - The **Venix SINGLE SPU** and **Venix DUO PU 2K** adhesives offered in accordance with the technology are non-aging throughout the life of the floor, withstand the loads resulting from normal use in very variable conditions of the interior climate (different temperature extremes, different humidity), which allows for the construction of floorings on weakened surfaces minerals – e.g. after dismantling old panels or parquet, we can **strengthen** the surface of the old mineral substrate with **Venix PRIMING FAST PU** primer.
 - On new mineral substrates, we can use the **Venix PRIMING FAST PU** primer to cut off residual moisture up to 4% CM (carbide method) - and after about 3 weeks, after pouring a standard screed, the floor can be installed.
 - The offered **Venix PRIMING D** or **Venix PRIMING FAST PU** primers and **Venix SINGLE SPU** and **Venix DUO PU 2K** adhesives meet the EMICODE low-emission criteria – they do not have any solvents and deactivate microbiological life – they destroy bacteria, fungi, viruses (notably especially after replacing rubberfloors, linoleum); improve air quality in utility rooms during and after installation works.

3. CONDITIONS BEFORE INSTALLING THE FLOOR – PREPARATORY WORK

Pre-packed Venifloor flooring packages should be placed in layers of 2 packages in the center of the room where they will be installed, cut or remove the foil from the packages and leave them there for 48 hours before installation in order to acclimatize to the temperature and relative humidity of the air in the place of installation. The recommended air temperature is about +20°C, and the optimum relative air humidity is about 35–65%. When unpacking the floor from the packages before installation, check the condition of all boards. Under no circumstances should the floor be installed with visible or found defects during the installation.

CAUTION: The planks are a real / natural wood product and are therefore unique. Color differences, rings, knots, bolts, waves, pyramids, shells, white or mineral efflorescence are a natural feature of wood. They make wood as a material characterized by its unique and individual beauty.

Requirements and recommendations for the strength of the substrate (stylius, brush, hammer):

- **Surface hardness:** stylius test – Scribber RI-RI – positive result = lines of lines without falling off the substrate particles.
- **Homogeneity of the substrate structure** – forging with a hammer and chisel – the whole section is the same – compact – not loose.
- **Residual moisture of the substrate** – CM test or electric-capacitive so-called “Ball” – JC less than 1.8% CM, I – less than 0.3% CM – WOODEN SUBSTRATE – less than 10.0% by weight.
- **Equality:** 2 m spirit level – clearance less than 2 mm, laser level – deviations from the plane of the entire room – less than 3 mm.
- **Surface:** Venifloor floor can be installed on any stable, clean, even and dry surface. Soft and loose coverings (e.g. old carpet) should be removed before laying the floor. Remove contamination from old adhesives by grinding. Use a 2 m long patch to check the evenness of the surface. Unevenness, clearances exceeding **2 mm by 2 m** in length and faults exceeding 1 mm must be leveled and smoothed with **ServoFine F333** quick-drying leveling compound or a suitable self-leveling compound, e.g. Servoplan, Servofix.

Requirements and recommendations for substrate moisture content with and without underfloor heating:

Before installing the damping underlay and the floor, make sure that the mineral / wooden / wood-based substrate is even, stable, clean and dry – less than 1.8% CM (maximum residual moisture for cement screed 1.8% CM, for anhydrite screed 0.3% CM and less than 10% in wood). The surfaces should be flat and dust-free. In the case of planking old wooden / wood-based floorings, check that they are stable, without delamination, “non-squeezing” between the flooring elements. The recommended installation conditions are 18-22°C and 35-65% relative air humidity.

New cement screed: A newly built house / flat should be ventilated for a sufficiently long time and aim should be to maintain normal indoor climate conditions, i.e. air temperature T=20°C, relative air humidity RH=50%. Under these conditions, a 6 cm thick normative cement screed dries to a residual moisture value of 1.8 CM% for approximately 2 months. The given time is theoretical. Always perform a residual moisture measurement and prepare a measurement report signed by the contractor and the user. The residual moisture of cement / concrete screed should not exceed 1.8% CM, and for anhydrite screed 0.3% CM. When using a damping underlay that is not foil-laminated on both sides, install a vapor barrier foil before laying the underlay.

Carrying out measurements:

MEASUREMENTS MUST ALWAYS BE PERFORMED BY THE CONTRACTOR / INSTALLER. Measurement made by the manufacturer **DOES NOT RELEASE THEIR - REPEAT BEFORE STARTING THE WORKS - BY THE CONTRACTOR / INSTALLER.**

The works performed are **WARRANTY AND / OR GUARANTEED ONLY AND EXCLUSIVELY BY THE CONTRACTOR / INSTALLER** in accordance with the Civil Code.

4. HEATING OF THE MINERAL SUBSTRATE WITH UNDERFLOOR HEATING

The mineral heating substrate must be made in accordance with the Construction Design.

The heating should be carried out in accordance with the normative heating protocol (www.venifloor.pl/protokolgzewczzj) or the protocol of the heating system manufacturer for heating under wooden or wood-based floors. After completing the heating, the residual humidity should be measured and the correct value confirmed with the protocol, and then proceed to the execution of the Venifloor floor within 7 days from the end of heating.

The residual moisture content in the cement / concrete heating substrate must not exceed 1.8% CM, and in the heating anhydrite substrate it must not exceed 0.3% CM.

The residual moisture content of masonry walls must not exceed 4 CM%, and walls with gypsum-based cladding must not exceed 15 CM%.

5. TECHNOLOGY OF SUBSTRATE PREPARATION AND INSTALLATION IN A “FLOATING” SYSTEM WITHOUT UNDERFLOOR HEATING IN ORDER TO MAINTAIN THE WARRANTY FOR THE FLOOR

After the possible leveling of the screed or concrete floor and priming with **Venix PRIMING D (water)** or **Venix PRIMING FAST PU (polyurethane)** dispersion primer, apply an attested 0.2 mm PE vapor barrier foil, then foil joints with an overlap of min. 10 cm glued with the **Venix P 50** vapor barrier tape - next to the walls, place the foil about 2-3 cm above the floor level and place the stabilizing underlay sticking its edges with the **Venix P 50** vapor barrier tape. Install the floor in accordance with **point 9** Installation Instructions. After laying the floor, trim the stabilizing pad placed on the wall with a knife flush with the floor level.

In case of use of the suggested Venix 2.0 double-sided foil primer, we do not use a vapor barrier foil.

Lay a single strip of the **Venix 2.0** underlay with the silver foil facing upwards, covering the wall about 2-3 cm, then lay the Venifloor floor in accordance with **point 9** of the Installation Instructions, add the second strip of the **Venix 2.0** underlay and glue the edges with the **Venix P 50** vapor barrier tape only after laying the floor on the first underlay, then lay the floor on the second underlay and lay the next layer of underlay and the floor, etc. After laying the floor, trim it evenly with a knife, with the floor level, the **Venix 2.0** underlay laid against the wall. In the event of damage to the surface of the **Venix 2.0** primer, e.g. a crack in the silver foil and a disturbance of the quartz structure, such a place should be sealed with the **Venix P 50** vapor barrier tape.

6. TECHNOLOGY OF SUBSTRATE PREPARATION AND INSTALLATION IN A “FLOATING” SYSTEM WITH UNDERFLOOR HEATING IN ORDER TO MAINTAIN THE WARRANTY FOR THE FLOOR

In case of use of the suggested Venix 2.0 double-sided foil primer, we do not use a vapor barrier foil.

After the possible leveling of the screed or concrete floor and priming with the **Venix PRIMING D (water)** dispersion primer or **Venix PRIMING FAST PU (polyurethane)** dispersion primer, a single strip of **Venix 2.0** primer should be placed with silver foil upwards, covering the wall about 2-3 cm, then lay the floor Venifloor in accordance with **point 9** of the Installation Instructions, add the second strip of the **Venix 2.0** underlay and glue the edges with the **Venix P 50** vapor barrier tape only after the floor has been laid on the first underlay, then lay the floor on the second underlay and another layer of underlay and the floor, etc. After laying the floor, trim it evenly with a knife, with the floor level, the **Venix 2.0** underlay laid against the wall. In the case of damage to the surface of the **Venix 2.0** primer, e.g. cracks in the silver foil and disturbance of the quartz structure.

The condition for maintaining the warranty for the floor in various underfloor heating systems is the use of Venix PT 37 thermal seals

- We install thermal seals in a floating system as follows:
- glue the self-adhesive thermal seal to the bottom of the floor board so that it is above the water pipe of the underfloor heating or over the electric heating cable, and in the case of infrared, anywhere on the foil / mat offered by ZIP sp. z oo;
 - with a single line supplying the room with water or electric installation, install 1 thermal seal per 30 m², in case of 2 or more supply lines, install 1 thermal seal on each of the lines supplying the underfloor heating;
 - exceeding the floor temperature above 37°C causes discoloration of the seal on the given line supplying the underfloor heating and results in the loss of the guarantee for the floor;
 - we suggest installing thermal seals in the second / third or penultimate rows of the floor in shaded places to limit the impact of sunlight on incorrect seal indications and easy access to the seals in the event of a complaint.

CAUTION: The temperature of the underfloor heating should be adjusted so that the maximum temperature of 1 to 2 cm above the floor does not exceed 27°C.

It is recommended to prepare documentation / photos allowing to determine the place of installation of the seal in the room. When starting the heating, the change of water temperature in the system should be graded – increasing / decreasing to 5°C/day.

The residual moisture content in the cement / concrete heating substrate must not exceed 1.8% CM, and in the heating anhydrite substrate it must not exceed 0.3% CM.

The condition for maintaining the warranty is the installation of the Venifloor Electric floor on an electric mat or infrared emitting foil according to the following technology:

- After the possible leveling of the screed or concrete floor and priming with the **Venix PRIMING D (water)** dispersion primer or **Venix PRIMING FAST PU (polyurethane)** dispersion primer, lay an Aluminum Foil or Heat-insulating primer with aluminum foil (upwards) on the screed or concrete floor, joining the edges with an aluminum vapor barrier tape underlay with a thermal resistance of at least 85°C and with a minimum density of 780 kg/m³ and a maximum thickness of 1.8 mm.
- Then we unfold the electric mat or infrared foil (hereinafter: heating foils) in accordance with the technology and requirements of the manufacturer of the heating foil (by an installer with the required qualifications).
- Lay the electric or infrared foil, always starting from the wall on which the temperature controller / thermostat will be installed, cut a groove about 15 mm from the screed or concrete floor and a minimum depth of 10 mm (depending on the number of electric cables coming out of the heating foil) to regulator / thermostat in such a way that the power cables are hidden in the groove and do not block the wall expansion opening.
- Place the **Venix 2.0** Electric mineral foundation with the silver / red foil facing up on the installed electric mat or infrared emitting foil, and connect the edges of the foundation with the **Venix P 50** vapor barrier tape.
- Then, on the **Venix 2.0** Electric foundation, we install Venifloor boards in accordance with **point 9** Installation Instructions.
- At least 1 **Venix PT 37** thermal seal should be installed in each room for every 30 m² of flooring.
- Stick the **Venix PT 37** self-adhesive thermal seal to the bottom of the floorboard so that it is above the heating electric cable or anywhere on the infrared foil.
- Set the heating in each room on the floor temperature controller so that the temperature does not exceed **27°C 1 cm** above the floor.
- It is obligatory to install a regulator that slows down the heating of the mat, integrated with the temperature regulator / thermostat.

7. TECHNOLOGY OF PREPARING THE SUBSTRATE AND INSTALLATION IN A GLUED SYSTEM IN ORDER TO KEEP THE WARRANTY ON THE FLOOR

After the screed or concrete floor has been properly leveled and primed with **Venix PRIMING D (water)** or **Venix PRIMING FAST PU (polyurethane)** dispersion primer, the cohesion, hardness and moisture content of the screed or concrete floor should be measured and a report on the measurements, confirmed by the contractor and the user, should be prepared.

SYSTEM I – Substrate: dry, clean, hard, even

Mineral substrate: cement screed, anhydrite screed, concrete floor, OSB board – dry, clean, hard, even.

Use the **Venix PRIMING D (water)** dispersion primer, which binds dust and provides joints – consumption 0.12 kg/m² – does not strengthen the substrate, but reduces the consumption of glue by not mixing the glue with dust. Suitable for underfloor heating. Solvent-free, ecological, EMICODE EC1 or **Venix PRIMING FAST PU (polyurethane)** primer.

Application of the **Venix PRIMING D** primer: velor roller, foam, microfibre, nylon. The floor can be glued with the **Venix SINGLE SPU** single-component hybrid adhesive on a cement and concrete screed after 2 hours from priming, and for anhydrite screed after 24 hours from priming in accordance with **point 9** Installation Instructions. Installation on one-component hybrid glue – **Venix SINGLE SPU 18 kg** – average consumption from 1.2 to 1.3 kg/m² – the adhesive additionally dampens the sound of footsteps, without water and solvents, ecological, EMICODE EC1-R, does not stain the floor, adhesive residues can be removed with a wet cloth immediately during installation, and at the latest up to 14 days after the installation of the floor. It has an optimal working time of 1 hour from spreading the adhesive on the substrate. The glue maintains the cast after the trowel throughout the lining. It is characterized by high efficiency. It is suitable for underfloor heating, it can be used to glue rubber cork and relaxing fleece.

Dry screed, concrete floor – WITHOUT SANDING – vacuuming, filling the **ServoFine F333** joints, priming – with **Venix PRIMING D** soil concentrate – drying time from 2 to 12 hours or **Venix PRIMING FAST PU** – drying time approx. 1 hour, after these periods you can glue with **Venix SINGLE SPU** hybrid glue – the floor can be used 24 hours after gluing, and arranging furniture with displacement after 72 hours.

OSB-3 /4 board – GRINDING P40 / P60 – vacuuming, filling the **ServoFine F333** joints, priming – with **Venix PRIMING D** concentrate – drying time 2-12 hours – gluing with **Venix SINGLE SPU** hybrid glue – the floor can be used after 24 hours from the end of gluing, and furniture laying with sliding after 72 hours.

Storage temperature from +5 to -30°C. Transport in frost can take place up to 24 hours, storage at temperatures above +5°C. During application, the temperature of the adhesive is close to the normal air temperature of +20°C.

CAUTION – **Venix SINGLE SPU** glue must not be mixed, after opening the package, the glue is suitable for use for a period of 1 year.

Trowel / spatula for applying **TKB B11** or **TKB B15** glue: recommended comb for a board with a thickness of **8.5 mm – TKB B11**, and with the board – thickness **11.5 mm – TKB B15**.

SYSTEM II – Substrate: weak, brittle, dusty

Mineral substrate: cement screed, anhydrite screed, concrete floor – **weak, brittle, dusty**.

Before priming, remove all loose elements and the weathered, brittle surface layer of the mineral substrate.

Use the **Venix PRIMING FAST PU (polyurethane)** primer, which binds dust and dust together with one layer and strengthens the surface of the substrate, creating a hard-elastic film, so it does not increase the consumption of glue. Very good yield, approx. 0.13 kg/m². In order to further strengthen the surface, a relaxing fleece can be used.

Application of the Venix PRIMING FAST PU primer: velor roller, mohair, 4 mm microfibre.

Due to the lack of water and solvents in the ground, the floor can be glued after 0.5 hours from priming on a cement and anhydrite screed and on a concrete floor for up to 48 hours from the time of priming in accordance with **point 9** Installation Instructions.

Installation on one-component hybrid glue – **Venix SINGLE SPU 18 kg** – average consumption 1.2 to 1.3 kg/m² – the glue additionally dampens the sound of footsteps, no water and solvents, ecological, EMICODE EC1-R, does not stain the floor, adhesive residues can be removed with a wet cloth immediately during installation, and at the latest up to 14 days after installing the floor. It has an optimal working time of 1 hour from spreading the adhesive on the substrate. The glue maintains the cast after the trowel throughout the lining. It is characterized by high efficiency. It is suitable for underfloor heating, it can be used for gluing rubber cork and fleece.

The floor can be used 24 hours after gluing and arranging furniture with displacement after 72 hours.

Storage temperature from +5 to -30°C. Transport in frost can take place up to 24 hours, storage at temperatures above +5°C. During application, the temperature of the adhesive is close to the normal air temperature of +20°C.

CAUTION – **Venix SINGLE SPU** glue must not be mixed, after opening the package, the glue is suitable for use for a period of 1 year.

The application and compliance with the following assembly instructions is a condition for maintaining the warranty for VENIFLOOR floorings.

Trowel / spatula for applying **TKB B11** or **TKB B15** glue: recommended comb for a board with a thickness of **8.5 mm – TKB B11**, and with the board – thickness. **11.5 mm – TKB B15**.

SYSTEM III – Substrate: even, dirty, damp up to 4% CM (cement, concrete), weak

Before priming, remove all loose elements and the weathered, brittle surface layer of the mineral substrate.

Venix PRIMING FAST PU (polyurethane) primer should be applied twice “cross-wise”, which additionally stops the migration of moisture upwards – average consumption 0.26 kg/m² – strengthens the mineral substrate through a hard-elastic film, which, while smoothing the surface, will not increase the consumption of glue.

Application of the **Venix PRIMING FAST PU** primer: velor roller, mohair, 4 mm microfibre.

Due to the lack of water and solvents in the ground, the floor can be glued after 0.5 hours from priming on a cement and anhydrite screed and on a concrete floor for up to 48 hours from the time of priming in accordance with **point 9** Installation Instructions.

Installation on one-component hybrid glue – **Venix SINGLE SPU 18 kg** – average consumption from 1.2 to 1.3 kg/m² – the adhesive additionally dampens the sound of footsteps, without water and solvents, ecological, EMICODE EC1-R, does not stain the floor, adhesive residues can be removed with a wet cloth immediately during installation, and at the latest up to 14 days after floor installation. It has an optimal working time of 1 hour from spreading the adhesive on the substrate. The glue maintains the cast after the trowel throughout the lining. It is characterized by high efficiency. It is suitable for underfloor heating, it can be used to glue rubber cork and relaxing fleece.

The floor can be used 24 hours after gluing and arranging furniture with displacement after 72 hours.

Storage temperature from +5 to +30°C. Transport in frost can take place up to 24 hours, storage at temperatures above +5°C. During application, the temperature of the adhesive is close to the normal air temperature of +20°C.

CAUTION – **Venix SINGLE SPU** glue must not be mixed, after opening the package, the glue is suitable for use for a period of 1 year.

Trowel/spatula for applying **TKB B11** or **TKB B15** glue: recommended comb for a board with a thickness of **8.5 mm – TKB B11**, and with the board – thickness. **11.5 mm – TKB B15**.

SET OF ADHESIVE SYSTEMS WITH TWO-COMPONENT POLYURETHANE ADHESIVE VENIX DUO PU 2K

SYSTEM I – Substrate: dry, clean, hard, even

Mineral substrate: cement screed, anhydrite screed, concrete floor – dry, clean, hard, even

Use the **Venix PRIMING D (water)** dispersion primer, which binds dust and provides joints – average consumption 0.12 kg/m² – does not strengthen the substrate, but reduces the consumption of glue by better spreading the glue. Suitable for underfloor heating. Solvent-free, ecological, EMICODE EC1.

Application of the **Venix PRIMING D** primer: velor roller, foam, microfibre, nylon. The floor can be glued with a two-component polyurethane adhesive – **Venix DUO PU 2K** on a cement and concrete screed after 2 hours from priming, and for anhydrite screed after 24 hours from priming in accordance with **point 9** Installation Instructions.

Installation on two-component polyurethane adhesive – **Venix DUO PU 2K 10 kg** – average consumption 1.3 kg/m² – hard-elastic adhesive with very high strength, solvent and water free, ecological, EMICODE EC1-R. After installation, the remnants of the glue can be removed with the TEC PUR preparation (put on the remnants of the glue and after 0.5h wash with a soft cloth with water) up to 7 days after gluing. It has an optimal working time, i.e. 1 hour from spreading the adhesive on the substrate. The glue maintains the cast after the trowel throughout the lining. It is characterized by high efficiency. It is suitable for underfloor heating, it can be used to glue rubber cork and relaxing fleece. The floor can be used after 24 hours from the end of gluing, and arranging furniture with displacement after 72 hours.

Storage temperature from +5 to +30°C. Transport in frost can take place up to 24 hours, storage at temperatures above +5°C. During application, the temperature of the adhesive is close to the normal air temperature of +20°C.

CAUTION – **Venix DUO PU 2K** adhesive after mixing with the hardener (electric stirrer) must be used within 1 hour.

Trowel/spatula for applying **TKB B11** or **TKB B15** glue: recommended comb for a board with a thickness of **8.5 mm – TKB B11**, and with the board – thickness. **11.5 mm – TKB B15**.

SYSTEM II – Substrate: weak, brittle, dusty

Mineral substrate: cement screed, anhydrite screed, concrete floor – weak, brittle, dusty

Before priming, remove all loose elements and the weathered, brittle surface layer of the mineral substrate.

Use the **Venix PRIMING FAST PU (polyurethane)** primer, which binds dust and dust together with one layer and strengthens the surface of the substrate, creating a hard-elastic film, so it does not increase the consumption of glue. Very good yield, approx. 0.13 kg/m².

Application of the **Venix PRIMING FAST PU** primer: velor roller, mohair, 4 mm microfibre.

Due to the lack of water and solvents in the ground, the floor can be glued after 0.5h of priming on a cement and anhydrite screed and concrete floor, up to 48h of priming in accordance with **point 9** Installation Instructions.

Installation on two-component polyurethane adhesive – **Venix DUO PU 2K 10 kg** – average consumption 1.3 kg/m² – hard-elastic adhesive with very high strength, solvent and water free, ecological, EMICODE EC1-R. After installation, the remnants of the glue can be removed with the TEC PUR preparation (put on the remnants of the glue and after 0.5h wash with a soft cloth with water) up to 7 days after gluing. It has an optimal working time, i.e. 1 hour from spreading the adhesive on the substrate. The glue maintains the cast after the trowel throughout the lining. It is characterized by high efficiency. It is suitable for underfloor heating, it can be used to glue rubber cork and relaxing fleece. The floor can be used after 24 hours from the end of gluing, and arranging furniture with displacement after 72 hours.

Storage temperature from +5 to +30°C. Transport in frost can take place up to 24 hours, storage at temperatures above +5°C. During application, the temperature of the adhesive is close to the normal air temperature of +20°C.

CAUTION – **Venix DUO PU 2K** adhesive after mixing with the hardener (electric stirrer) must be used within 1 hour.

Trowel/spatula for applying **TKB B11** or **TKB B15** glue: recommended comb for a board with a thickness of **8.5 mm – TKB B11**, and with the board – thickness. **11.5 mm – TKB B15**.

SYSTEM III – Substrate: even, dirty, damp up to 4% CM (cement, concrete), weak

Venix PRIMING FAST PU (polyurethane) primer should be applied twice “cross-wise”, which additionally stops the migration of moisture upwards – average consumption 0.26 kg/m² – strengthens the mineral substrate through a hard-elastic film, which, while smoothing the surface, will not increase the consumption of glue.

Application of the **Venix PRIMING FAST PU** primer: velor roller, mohair, 4 mm microfibre.

Due to the short drying time, the floor can be glued after 0.5 hours from priming on a cement and anhydrite screed and on a concrete floor for up to 48 hours from the time of priming in accordance with **point 9** Installation Instructions.

Installation on two-component polyurethane adhesive – **Venix DUO PU 2K 10 kg** – average consumption 1.3 kg/m² – hard-elastic adhesive with very high strength, solvent and water free, ecological, EMICODE EC1-R. After installation, the remnants of the glue can be removed with the TEC PUR preparation (put on the remnants of the glue and after 0.5h wash with a soft cloth with water) up to 7 days after gluing. It has an optimal working time, i.e. 1 hour from spreading the adhesive on the substrate. The glue maintains the cast after the trowel throughout the lining. It is characterized by high efficiency. It is suitable for underfloor heating, it can be used to glue rubber cork and relaxing fleece. The floor can be used after 24 hours from the end of gluing, and arranging furniture with displacement after 72 hours.

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CAUTION – **Venix DUO PU 2K** adhesive after mixing with the hardener (electric stirrer) must be used within 1 hour.

Trowel/spatula for applying **TKB B11** or **TKB B15** glue: recommended comb for a board with a thickness of **8.5 mm – TKB B11**, and with the board – thickness. **11.5 mm – TKB B15**.

The condition for maintaining the warranty for underfloor heating in the glued system is the use of Venix PT 37 thermal seals.