

## 1. PRESENTATION OF FORTELOCK PVC TILES

Presenting here our top-notch PVC interlocking system. These floor tiles are made by state-of-the-art and energy-efficient injection presses and feature homogeneous or heterogeneous designs. The Fortelock system can be laid on both new and old surfaces. The carefully chosen materials ensure that our homogenous tiles are strongly resistant to wear and tear, chemical substances and they enjoy long-term stability. They are designed to create a wear layer of floors

with high operational loads, where above-standard abrasion resistance and impact resistance are required. Our heterogeneous Fortelock Business floor tiles have a more aesthetic design for use in commercial, residential and public areas. They are robust, easy to maintain and ensure your safety when walking on them.

Made in the Czech Republic.

## 2. INSTALLING A NEW FLOOR

Floor tiles should always be installed on a **hard and level surface**. Before the actual installation, the tiles should be thoroughly **acclimatized** (see 2.4).

Floors expecting heavier loads (especially pallet trucks) should be **glued or taped securely in place** (see 2.6). Please also take a look first at our **warranties, advice and precautions** (see sections 3 and 4).

The installation of Fortelock products always comes after a careful measurement of the room. We recommend laying out the tiles so that ideally the same size remains on each side of the room. Allow for a gap of **10 mm from any fixed point** (e.g. around columns, racks and walls). This gap can be later covered with baseboards. The precision of laying individually installed rows is checked against the lines marked out and their right angles. This is especially true for larger areas and rooms that are not sufficiently rectangular.

### 2.1. SPECIFIC INSTRUCTIONS FOR THE FORTELOCK INDUSTRY, INDUSTRY ULTRA, LIGHT AND XL SERIES

Start installation from the entrance to the room by first marking the center of the floor with chalk or a laser and from there draw two perpendicular lines one after the other, see the dashed line in Fig. 1. Lay out the tiles along these lines in the order shown in the picture.

If you want ramps positioned precisely at the entrance, put two rows of floor tiles first along the line and connect the ramps and corners where required.

Any final cuts or modifications to the floor tiles on the periphery should be done only after all the tiles have been laid. When cutting floor tiles on the periphery, maintain a gap of at least 10 mm from any fixed point (e.g. around a column, racks or walls). This gap can be later covered with baseboards.

### 2.2. SPECIFIC INSTRUCTIONS FOR THE INVISIBLE, BUSINESS SERIES

#### Preparation:

Installation starts from the left side to the right. For measurement, choose a corner that is 90° or smaller, see Figure 2.

Before installation commences, use chalk, marking tape or a laser to mark out a right angle on the substrate in the chosen corner of the room. The distance of the angle from the wall should equal the size of the tile cut to run along the wall. This peripheral tile should not be less than 1/3 the size of the original tile (for installations conceived around the center of the room).

Draw two lines from the corner at a right angle – see the dashed line in Figure 2. These lines are for measuring peripheral cuts of the tiles and at the same time they allow you to continuously check the precision of the installation.

But the installation can also be done aesthetically in terms of the gaps you intend to maintain between the tiles.

The pattern of Fortelock Business on the floor is random. We therefore recommend you to spread out the floor tiles first, then compare and install them as you wish.

#### ⚠ IMPORTANT

The visible part of the lock must always point in the direction of the installation and the hidden lock in the direction of the wall, see Fig. 3.

#### Installation:

There are two installation options:

- In a regular checkerboard pattern, where the tiles are joined side by side in a grid pattern (see section 7).
- "Running bond", where the tiles are offset to one another in a brick pattern (for Business, only by 16, 32 and 48 cm).

The first tile to be laid is the adapted corner piece flush with the right angle drawn on the floor for the installation. The sides facing the room must contain the locks, see Fig. 3.

We install all additional tiles by first fixing the corners of the tile tightly to the locks of the lower tile. Next, we tap all the locks in the direction from the corner to the center of the tile, see Fig. 4. This will ensure a strong connection of all tiles. **In the event of another procedure, the locks may become damaged.** The correct fitting and proper connection of the tiles can be checked by touching the locks.

Check the accuracy and squareness of the installation by looking at the details of the joint (especially at the intersection of the joints for straight laying) and by using the demarcation lines. For accessories, we recommend using baseboards made for individual decors, ramps, transitions and end pieces.

Fig. 1  
Installing Fortelock **INDUSTRY, INDUSTRY ULTRA, LIGHT, XL**

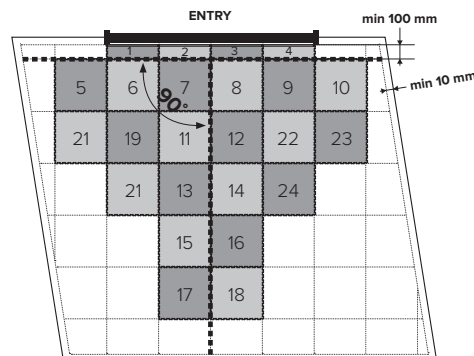


Fig. 2  
Installing Fortelock **INVISIBLE, BUSINESS**

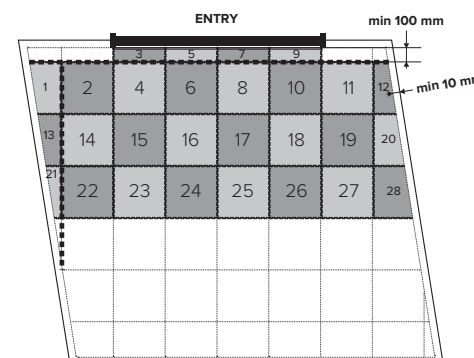


Fig. 3  
Direction of installing  
**INVISIBLE, BUSINESS**

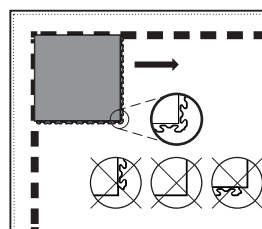
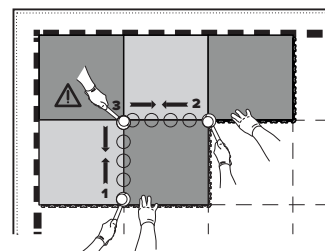


Fig. 4  
Method of installing  
**INVISIBLE, BUSINESS**



### 2.3. FINAL JOINT INSTRUCTIONS

Install the floor tiles in the order indicated in the picture and tap with a rubber mallet (with a black or white head according to the color of the floor). Start with the outer corners of the tiles and continue towards the inner corners before laying. The layout of the floor tiles must remain rectangular.

After the installation is complete, we recommend a thorough cleaning using the products of Dr.Schutz and follow the Cleaning, Maintenance and Disinfection document.

You can use PVC marking tape to clearly demarcate work areas in warehouses and industrial plants.

## 2.4. TEMPERATURE CONDITIONS AND PREPARING THE ORIGINAL SURFACE

### TEMPERATURE CONDITIONS

Do not install the floor tiles immediately after their delivery. **Let the flooring acclimatize for at least 48 hours before installation at an ambient temperature of 18-26 °C** in the room. The higher the temperature, the faster the floor tiles acclimatize. The floor tiles must be unloaded from the pallets and spread out in the room of installation. To facilitate the acclimatization process, spread out the floor tiles in smaller groups, e.g. of 10 tiles or 6 tiles for XL. Ensure the temperature of the surface remains above +15 °C. **The temperature during installation and 24 hours afterwards must be constant, ranging from 18 to 26 °C** to avoid any thermal dimensional changes in individual flooring components. For normal temperature deviations during installation, note the movement of the floor and **leave a gap of at least 10 mm between the tiles and any fixed points** (e.g. wall). For installation at a temperature below +15 °C, leave a larger expansion gap (joint) between the tiles and any fixed points (e.g. wall). For operating temperatures below 0 °C, contact the sales department of the manufacturer.

### PREPARING THE ORIGINAL SURFACE

Fortelock floor tiles can be installed on practically any hard surface that is smooth and even. Therefore, remove any uneven points in the floor. Fill in any unevenness or holes with grout or a sealant designed for repairing floors. To ensure the permanent function and quality of PVC floorings, the structure of the surface must be flawless as recommended by national or European standards.

### ⚠ RECOMMENDATION

If there is still construction work in progress, protect any newly laid floor tiles with a suitable protective cover. Limit the risk of inadvertent damage.

## 2.5. CUTTING PERIPHERAL TILES, INSTALLING BOARDS

When cutting the tile, the cut side must be measured against the wall or a fixed point to ensure the **recommended expansion gap** is maintained after laying the tile in place. Maintain this expansion for all intruding or adjoining structures (e.g. heating, other types of floor coverings). The gaps can then be covered up with baseboards.

For the easy, straight and fast cutting of individual tiles, **we recommend using a cutter / guillotine**, e.g. Magnum Soft Flooring Shear (762 mm). You can also use a **folding knife or a straight saw**, especially for round shapes. We recommend that you create a template before making difficult and complicated cuts. Hot air guns can also be used to heat up the tile at the cutting point followed by easier action with a folding knife. Especially for making more difficult cuts (e.g. around heaters, door frames, niches and external corners), a hot air gun will make the work much easier.

### ⚠ WARNING!

In this case, always heat up the tiles on the underside! Fortelock Industry products can be supplemented with original baseboards made out of tiles of the relevant series (except ECO) with the same technical parameters as the original product.

There are three ways to install floorboards:

- by screwing the baseboard into the wall and inserting the floorboard,

- by sticking the baseboard to the wall and inserting the floorboard, or
- by directly screwing the board into the wall without using the base strip.

For Fortelock Industry, XL and Invisible floorboards, measure off the height (9 cm) on the wall from the tile surface. Ensure the correct connection of the locks during installation.

The least technically demanding installation is installation by gluing. First adjust the size of the baseboard to the size of the room (they are supplied in a length of 2.5 m). Then glue the baseboard to the wall (our recommendation is a universal glue based on MS polymers) or screw it in firmly. In the case of gluing, follow the manufacturer's instructions. If you screw in the baseboards, individual pieces can be installed immediately. Insert the upper part of the floorboard under the edge of the baseboard and press it against the wall so that the lower part of the floorboard (narrow part) covers the expansion joint. Continue inserting other pieces of the floorboard and ensure the locks are correctly engaged.

### ⚠ IMPORTANT

We recommend a width of **more than 1/3 of the tile dimension** for cut tiles placed closest to the walls.

**At doors and recesses**, the surface of the cut floor tile must be **bigger than a half** of the whole original tile.

## 2.6. ATTACHING AND GLUING TILES

Under certain conditions listed below, Fortelock PVC flooring must be fixed or glued to the surface beneath it.

### 2.6.1 Fixation

**Securing detachable tiles to the substrate** will ensure the stability of the tiles during heavy-duty movement across the floor. Fixation can be carried out using water-removable **coating on the floor or with fixing tape**. We recommend using the adhesive UZIN Universalfixierung 6473 for gluing floor tiles. Prior to fixation, the substrate needs to be penetrated with a suitable primer in order to ensure that it absorbs a thin dispersion coating to reduce anti-skidding effects.

Double-sided adhesive tape can also be used to fix the tiles in place. The strong adhesiveness of the tape means it can be run longitudinally on the underside of the tile in the center or on the edges.

The smoother the floor, the greater the adhesion of the fixing tape.

### ADVANTAGES

- Easy attachment using a roller
- Low consumption
- Easy dismantling of one tile or even the entire floor
- The fixation coating is easily removed with warm water and does not damage the substrate

### 2.6.2 Gluing

**Gluing is a permanent way of bonding tiles to the floor.** Normally common dispersion or solvent adhesives good for gluing PVC floorings can be used. For gluing tiles in areas with high loads, we recommend adhesives of the brands Uzin KR 430, Mapei Adesilex G19, DIPUR 522 A+B, ACM Epoxy ECO.

Follow the manufacturer's instructions for fixation and the conditions for the use of adhesives and their correct use.

### 2.6.3. WHEN TO TAPE THE FLOOR AND WHEN TO GLUE IT?

#### DIRECT SUNSHINE

**Floor tiles exposed to direct sunlight should be glued in place.** These primarily include the glazed parts of a room, loading areas with doors facing south, ceiling skylights, etc. Floor tiles exposed to direct sunlight can easily heat up and expand faster and in greater volume than the rest of the floor.

### ⚠ WARNING!

Recycled floor tiles are more expansive than floor tiles made of initial raw materials. Due to their thickness, Fortelock Invisible and XL lacquered tiles can be more expansive than Fortelock Industry tiles and therefore they **need to be glued in places where the tiles may heat up**.

#### HEAVY TRUCKS AND HEAVY-DUTY LOADING AREAS

Some forklift trucks and pallet trucks can impair the durability of the interlocks of Fortelock PVC flooring. These include heavy trucks with small wheels, especially heavy-duty electric trucks where the battery is placed over the main drive axle. Should you use this type of trucks, we recommend that you test these floor tiles with the trucks before you make a decision on the type of tiles to use and secure or glue them to the floor if you expect constant use of the trucks.

#### EXTERNAL HEAT SOURCES AND CATALYSTS

Ovens, furnaces, catalytic converters and other heat sources can heat up the floor, causing the floor tiles to expand. To keep this from happening, **glue the floor tiles in the area of the heat source**, whether in front of an oven or wherever there may be a catalytic converter or other heat source from a parked car.

### ⚠ NOTE

Unless otherwise indicated, the procedures, recommendations and warranties apply to all types of Fortelock flooring.

### 3. WARRANTY

Fortemix guarantees that for a period of 12 years from delivery, Fortelock floor tiles will not become abraded or torn under normal use or exhibit manufacturing defects. This warranty does not apply to recycled tiles, where the warranty is laid down by law in the country of use. Fortemix will replace all defective products free of charge if the defect is discovered prior to installation. If the customer is convinced that a defect in the product did not appear until after installation, they should notify Fortemix immediately and allow the product to be inspected. If, after an inspection, Fortemix determines that the product is defective and is not subject to the limitations contained in this warranty, it will replace the defective product with a flawless product delivered to the customer.

#### 3.1. THESE WARRANTIES DO NOT COVER:

- **Tears, burns, cuts** or damage caused by improper installation, sharp wheels, wheels moving in place (spinning and rotating), improper or rough usage, improper cleaning agents or maintenance methods.
- **The costs of delivery and installation** of the original or replaced material.
- **Problems caused by moisture, hydrostatic pressure or alkaline substances** in the substrate of the floor.
- **Problems caused by any usage, maintenance or installation** not in agreement with the specifications of Fortemix or its recommendations and instructions.
- **Material installed with obvious defects.**
- **Installation with adhesives** other than those recommended by Fortemix.
- A written Disclaimer.
- **Direct or indirect promises** made by a dealer or representative.

If the owner is not satisfied with the quality of the product, they must inform Fortemix and allow the floor to be inspected. If the complaint is accepted, Fortemix will replace the worn tiles by delivering new ones. The customer may be charged a replacement fee that reflects the difference in the amortization of the new and old tiles.

In order for the customer to apply the warranty, they must notify Fortemix in writing of any defect

immediately upon discovery, but no later than 90 days from the discovery of the defect. This notification must be sent to the company's address. In order for the above warranty and any legal warranties to be recognized, the conditions stated in this technical data sheet and in the Terms and Conditions of Fortemix, s.r.o., Kirilovova 812, Paskov, Czech Republic, must be met.

This warranty supersedes all other warranties expressed or implied. Fortemix bears no liability for any incidental or subsequent damage caused by defects. The extended warranty must be confirmed in writing by Fortemix. Fortemix bears no liability for any damage resulting from failure to observe the instructions and recommendations of the manufacturer.

Fortemix does not accept responsibility for any products it recommends, because the correct information about their suitability for use (e.g. quality of the substrate, structural or operational conditions) is the responsibility of the manufacturer of cleaning products, adhesives, screeds, etc., and the installer, not the manufacturer of floor tiles.

This manual has been prepared as a guide only. The information in it has been provided in good faith, but without any guarantee, since conditions on site can differ and Fortemix cannot have any influence on them.

### 4. ADVICE AND WARNINGS

To ensure your satisfaction with your final floor covering, and to eliminate adverse risks and ensure an easy installation, we have prepared some advice and warnings for you. It will come in handy whether you are dealing with interior/exterior designs or their installation and maintenance. The Fortelock PVC flooring system is a fast way to get a new floor.

**1. Certain types of tires and wheels can stain the floor tiles over time.** This is due to the chemical reaction that occurs between the antioxidant (phenaline diamin (6PPD)) used in various rubbers and the plasticizer used in PVC products. The stain/reaction is brown, so it does not become visible in certain colors of floor tiles (dark grey, black, etc.). **We recommend that you consider using a two-component polyurethane sealing finish against coloring and staining** (e.g. Dr. Schutz Anticolor). When using the floor, stains from tires and stains from aggressive chemicals such as solvents, alkalis, hair dyes, etc., may occur. Please contact us for further information.

**2. To protect the appearance, durability and quality of cleanliness** of the floor covering, we recommend that you use products and detergents made by Dr. Schutz, which you will find in our offer.

**3. The floor tiles of the ECO series are made out of recycled wires** with no uniformity of color and they can contain substances contained in these wires, such as copper, aluminum, cadmium and lead. The input material used in ECO tiles means that the tiles can show visual defects on the surface in the form of a silvering effect or dispersed small particles, which do not limit the functionality of the tiles in any way. They can also contain DEHP phthalate (EC 204-211-0; CAS 117-81-7), which is classified as a substance subject to restrictions under the REACH Regulation and also as a substance subject to authorization under Annex XIV of the REACH Regulation. No significant phthalates are released from our product under normal conditions. The content of phthalate in the product can range in a concentration of 0 to 5%. Please consider this information when choosing these floor tiles and use them mainly for industrial and agricultural purposes.

**4.** The substrate must meet the requirements stipulated in the local standard for PVC floor installation.

**5. These floorings are intended for interior use.** If you decide to glue them, they must not be installed in spaces that are insufficiently insulated against ground moisture. Keep moisture (e.g. wet footwear, spilling a bucket of water) away from a substrate ready for installation.

**6. Do not expose the flooring to water** for more than 24 hours. Do not expose the flooring to an environment with a relative air humidity exceeding 75% over a long period. Operating conditions for the flooring: air temperature +10 °C to +35 °C, relative humidity (50 ± 10%).

**7. Do not allow any objects with sharp edges** made from materials with a hardness exceeding the hardness of PVC to move on the floor surface. Stones, grains of sand, edges of furniture legs or the claws of pets can damage the surface and scratch it. Put protective feet on any objects with sharp or angled corners. Do not drag pallets. This will prevent the floor from being scratched.

**8. For chairs on wheels, use wheels of the "W" type** – soft plastic on a hard core, or protective PET mats designed for mobile furniture. Provide the feet of furniture with protective glides made of soft plastic or felt pads, etc., and regularly check that they are working. If the contact surfaces of varnished tiles with a PUR protective layer will not have suitable means of protection and they become scratched from moving furniture, no claim can be made for such scratching.

**9. Do not exceed 50 MPa for any point compressive load on the flooring.**

**10. Glowing and smoldering objects irreversibly change the color and structure of floor tiles.**

**11.** Rubber products made from dark and dyed rubber (rubber wheels, instrument mats, footwear soles, etc.) can cause the finish of the flooring to **permanently change color** after prolonged contact with the floor, resulting in yellowing, browning or blackening of the floor surface at the

point of contact. We recommend that you consider using a two-component polyurethane sealing finish against coloring and staining, Anticolor Dr. Schutz, which we have in our offer.

**12. These floor tiles are not recommended for exterior use** because their colors are not stable under UV light. Direct ultraviolet radiation in the C spectrum (e.g. germicidal lamps, direct sunlight) will gradually degrade the surface and irreversibly change the color of the floor covering.

**13.** Taking preventive measures like demarcating sufficiently dimensioned and effective **cleaning zones and using suitable products for care and maintenance** significantly contribute to the quality and durability of the floor covering.

**14.** In cases where the installation requires or permits it, **the edges of tiles and other cut seams can be heat welded with a rod, cold welded**, or glued with solvent adhesives to create a strong and mechanically stable seam. If an adhesive is used, the floor may be subjected to operational loads only after it has dried.

**15. 100% color consistency cannot be guaranteed**, especially between different product batches. Adaptation is required when performing an installation with different batches.

**16.** The manufacturing process of the Fortelock Business tile **does not allow randomly selected floor tiles to be automatically joined together** while ensuring the consistency of the wood decor.

**17.** The floor tiles have been designed to provide exceptional durability and easy installation. This was achieved by a unique lock design and their method of production. This manufacturing method can result in visible **traces of injection** from the center to the edge of the tile.

**18.** Although some tiles have a unique drainage system to prevent moisture from being retained, the possibility of **moisture entering the seams of squares** must be taken into account and this information included in the structural specification.

**19.** Prior to installation, **please have a look at [www.fortemix.com](http://www.fortemix.com)** to make sure you have the latest technical documentation.

**20.** For better consistency of interlocking the corners of joined floor tiles, **the next floor tile should always be turned by 90 degrees relative to the previous floor tile**. The logo displayed on the underside of the floor tile facilitates this installation. Follow this procedure throughout the installation (applies to products of the Industry and XL series).

**21. More detailed information on maintenance** can be found in the document entitled: Cleaning, maintenance and disinfection.

**22.** Putting diamond-pattern floor tiles on a pallet can result in the pattern being **embossed into the pattern of surrounding floor tiles**. This aspect does not affect the technical properties of the floor. This is only a visual aspect.

**23.** Despite the increased **resistance of Fortelock PVC tiles to oils, petrol and other substances of petroleum origin**, it is **necessary to clean the tiles as soon as possible** in the event these substances splash on them, otherwise there is the risk of their color degradation and deformation. If these leaks occur more frequently without the guarantee of their immediate removal and there is a risk of leakage into the gap between the substrate and floor, we recommend the tiles be glued. Contact the Sales Department to find out the degree of resistance to individual types of chemicals.

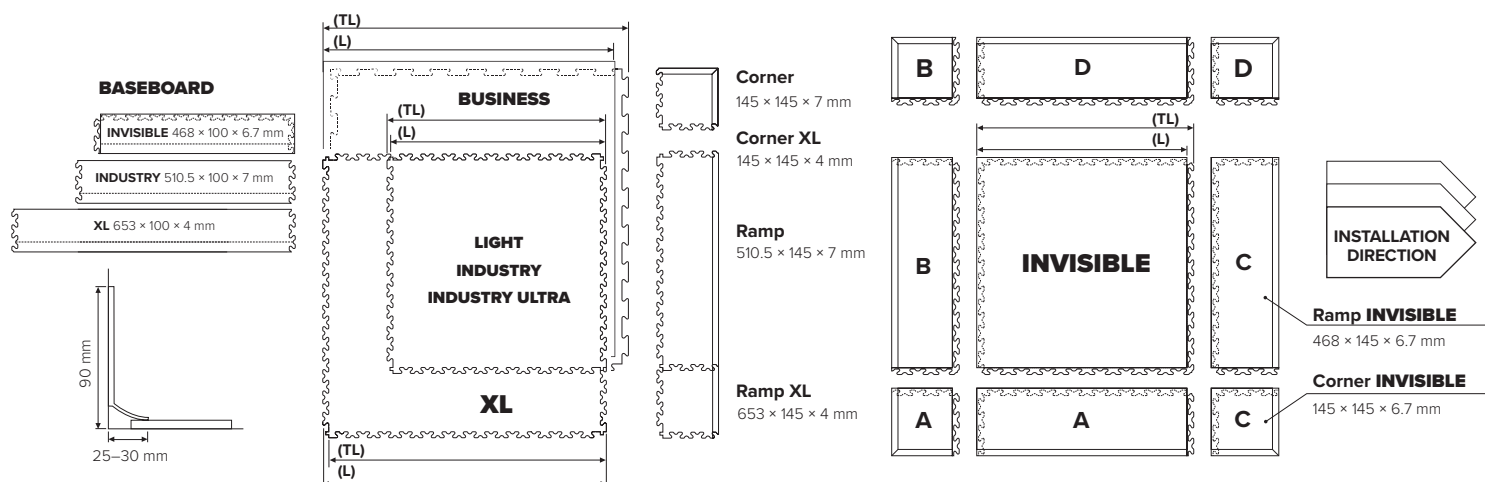
## 5. TECHNICAL PARAMETERS OF FORTELOCK PVC FLOOR TILES

Fortelock floor tiles are subject to assessment under EP and Council Regulation no. 305/2011 ("CPR") to ensure compliance with the procedure according to the harmonized standard of ČSN EN 14041. Detailed information about the product and its variants can be found in the catalog or on the website: [www.fortelock.com](http://www.fortelock.com). Contact your dealer for more information.

	Standard	Fortelock PVC flooring					
		INDUSTRY	LIGHT	INDUSTRY ULTRA	INVISIBLE	XL	BUSINESS
Product numbers – tiles	–	2010 – diamond 2020 – leather 2040 – coins	2050 – diamond 2060 – leather 2080 – coins	2410 – diamond 2420 – leather 2440 – coins	2030 snakeskin	2230 snakeskin	2320
Product numbers – ramps	–	2015 – diamond 2025 – leather 2045 – coins		2415 – diamond 2425 – leather 2445 – coins	2035 – type A 2034 – type B 2033 – type C 2032 – type D	2235	ZDL012
Product numbers – corners	–	2016 – diamond 2026 – leather 2046 – coins		2416 – diamond 2426 – leather 2446 – coins	2036 – type A 2037 – type B 2038 – type C 2039 – type D	2236	ZDL012
Product numbers – floorboards	–	2011 – diamond 2021 – leather 2041 – coins			2031	2231	2321
Area of use, intensity of use	ČSN EN ISO 10581 and 10582	42 – 43	32 – 33	42 – 43	42 – 33	32 – 33	23 – 34 – 43 (ČSN EN ISO 10874)
Size of tile with lock (TL)	–	510.5 x 510.5 mm			468 x 468 mm	653 x 653 mm	668 x 668 mm
Actual coverage size (L)	–	496.5 x 496.5 mm			453 x 453 mm	639 x 639 mm	640 x 640 mm
Type	–	homogeneous flooring					heterogeneous flooring
Weight (± 10%) *	–	2,3 kg	1,7 kg	3,1 kg	1.8 kg	2.3 kg	4.1 kg
Finish	–	leather/diamond/ coins			snakeskin		–
Thickness	–	7 mm		10 mm	6.7 mm	4 mm	7 mm
Thickness of floor finish	ČSN EN ISO 24340	7 mm		10 mm	6.7 mm	4 mm	0.7 mm      2 mm
Dimensional stability *	ČSN EN ISO 23999	≤ 0.4%					
Chemical resistance	–	good (ČSN EN ISO 26987)					good (EN 423)
Reaction to fire *	ČSN EN ISO 13501-1+A1	Bfl-s1					
Resistance to bacteria	ČSN EN ISO 846	satisfactory					
Hardness **	ČSN EN ISO 868	92±3 Shore A					
Deformation after static loading *	ČSN EN ISO 24343-1	< 0.1 mm					compliant (EN ISO 4918)      0.04 mm (norm ≤ 0.10)
Resistance to chair wheels	–	adequate (ČSN EN ISO 425)					–      compliant (EN ISO 4918)
Effect of furniture legs	EN ISO 16581 (EN 424)	–					very good      –
Abrasion resistance *	(ČSN EN ISO 10582	–					Type I      –
Anti-slip property *	DIN 51130:2014-02	R10					R9
Straightness, squareness, length *	ČSN EN ISO 24342	≤ 0.20% nominal length					
Color fastness to artificial light	–	>5 (without damage) (ČSN EN 20105-A02)					≥ 6 (ČSN EN ISO 105-B02)
Warranty *	–	up to 12 years					
Number of pieces up to 1 m <sup>2</sup>	–	4			5	2.5	2.44
Compressive strength *	ČSN EN ISO 604-1	520 kg/cm <sup>2</sup>					
Electrostatic properties	ČSN EN 1815	< 2,000 V					

\* cannot be guaranteed for floor tiles made of recycled material

\*\*99 Shore A in the case of Fortelock Hard



## 6. ACCESSORIES AND SERVICES

Accessories	Description	Packaging/Design/Colour
Skirting board Industry, Industry Ultra, Light, XL, Invisible	Skirting board for an elegant finish to the floor near walls and other fixed parts. The skirting boards are made of Fortelock tiles, which achieves perfect color and décor matching. For easier installation, we recommend installing it on a baseboard.	–
Base skirting board	Plastic strip designed for an elegant finish of the floor covering. Universal strips are provided with double-sided adhesive tape designed to glue part of the tiles. The strip must be glued to the wall with mounting glue under the baseboard. Dimensions: length 2500 mm, height 58 mm, width 9.7 mm.	white, gray, black
Adhesive under the base skirting board	MAMUT GLUE High Tack, white	290 ml
Business skirting board	Skirting board for Fortelock Business in colors and decors according to the current offer of the Business collection. Base skirting board included. Material – plastic. Length 2000 mm.	–
Ramps and corners for Business	Drilled aluminum ramp for an elevation of 8.5-15 mm. Designed for busy places with a heavy-duty loads. Simple and quick assembly. Easy to attach with a screw or glue. Ideal solution for shopping carts, pallet trucks, etc. Dimensions: length 1350 mm, width 80 mm, height from 8.5 to 15 mm. Material – aluminum. Mounting by drilling or gluing. Screws included.	–
Transition tile for Business	Dimensions: length 1350 mm, width 32 mm, material – aluminum. Adhesive.	–
Marking tape	Designed to mark off danger zones, to mark off directions for pedestrians, etc. Dimensions: width 50 mm, length 33 m.	yellow, yellow-black
Rubber hammer	Rubber hammer, wooden handle.	–

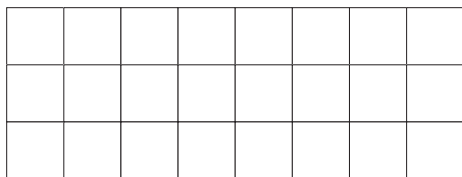
Fixation and bonding	Description	Packaging
Fixation dispersion under PVC	Water-removable fixation designed for the <b>removable attachment</b> of tiles to the floor. It guarantees the stability of tiles for heavy-duty traffic. Easy to remove, saves costs during further renovation.	3 kg (20 m²) 12 kg (80 m²)
Fixing tape	Special transparent colorless adhesive tape for establishing a <b>removable connection</b> of tiles with the floor. Firm polyester support for trouble-free application and sure and immediate adhesion. Dimensions: width 240 mm, length 50 m.	–
PU adhesive under PVC	Two-component PU glue to <b>permanently bond</b> tiles to the floor. Firm, strong and quick-tack adhesive.	2.5 kg (5-8 m²) 6 kg (12-20 m²) 10 kg (20-33 m²)

Cleaners	Description	Packaging
Dr. Schutz Floor Cleaner R 1000	Special cleaning agent for <b>daily cleaning</b> and care of elastic floorings and hard floorings. Based on water-soluble treatment components that do not cause any environmental burden for basic cleaning. Cleans and treats in one go. In the concentrations used, the pH is neutral. It is suitable for use in cleaning machines. Forms a thin protective layer.	10 l, 5 l, 750 ml
Dr. Schutz Basic cleaner R	Designed for general, <b>deep cleaning</b> . Gentle alkaline cleaner for post-installation and basic cleaning with strong dissolving qualities for construction impurities, as well as for old wax residues, treatment agents, self-polishing dispersions and adhesive residues. We recommend using it every 6 to 12 months.	10 l, 5 l, 750 ml
Dr. Schutz PU Cleaner	Cleaning concentrate for cleaning after installation and for routine cleaning of all elastic floorings with production <b>PU/PUR surface treatment</b> .	10 l, 5 l, 750 ml
Dr. Schutz ESD Floor Cleaner	Cleaning concentrate for daily cleaning and also for cleaning after <b>ESD tile</b> installation. Developed for all electrostatically conductive and antistatic floors.	10 l
Dr. Schutz Universal Elastex stain remover	Universal product for <b>removing water-soluble and water-insoluble stains</b> such as coca-cola, fruit juices, ketchup, ballpoint pens, marmalade, red wine, coffee, chocolate, chewing gum, shoe cream, nail polish, asphalt, markers, etc. It is particularly suitable for removing rubber scuffing, heel scuffing, and graffiti and waterproof paints.	200 ml
Dr. Schutz Secura Hard Protective Layer	<b>Polymer dispersion</b> (wax) with metal mesh elements for the treatment of newly installed floorings in buildings or base-clean them. The floor will be protected, the adhesion of dirt will be reduced and routine cleaning will be greatly simplified.	10 l, 5 l
Dr. Schutz PU Anticolor mat	<b>Two-component water-based polyurethane coating</b> . Extremely high cross-linking density and thus increased resistance to colored substances, plasticizers and chemicals.	6 l, 1.08 l

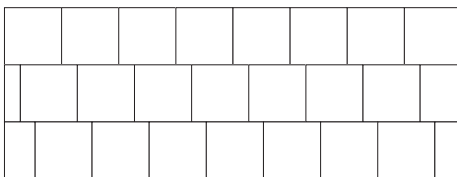
Services	Description	Color
GRANIT print	GRANIT print contains 3 standard patterns of grain prints, <b>which differ in grain size and color combination. Thanks to the seemingly incongruous print, you can visually break the monotonous appearance of the floor, which can occur when tiles of only one color are used.</b>	Quartz, Grey, Black
CUSTOM print	We print the tiles <b>according to your wishes</b> and ideas. Just send the graphic in curves or in print resolution of 300 dpi. We recommend printing warning symbols, company logos, direction indicators, or other graphics according to your own ideas.	–
PU lacquering	Lacquering gives the floor a presentable appearance, increased durability and facilitates maintenance. The result is a floor that is beautiful to look at and pleasant to the touch.	–
Tile takeback	As part of our environmental program, we offer our customers the option of us taking back unnecessary Fortelock PVC tiles that would otherwise end up in a landfill. Thanks to this service, you will save time, worries, money for landfilling, and you will also contribute to environmental protection together with us. Give us your tiles back and we will take care of the recycling of waste material and its reuse. More info on the Fortelock website.	–

## 7. SAMPLES OF FORTELOCK INVISIBLE, BUSINESS TILES

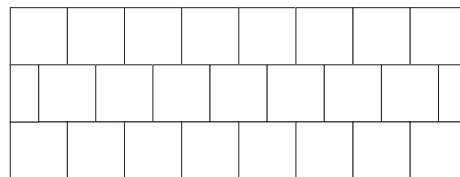
1. CHECKERBOARD






2. BRICK (OFFSET 1/4)



3. BRICK (OFFSET 1/2)



## 8. DYNAMIC LOAD RESISTANCE

Product:	Total load by tire or wheel type (including forklift weight)							
								
	Polyurethane or equivalent hardness			Rubber wheels		Tires*		
	loose installation	gluing/fixation		loose installation	gluing/fixation	loose installation	gluing/fixation	
INDUSTRY	< 500 kg		< 5100 kg	< 4300 kg	< 5500 kg	< 6600 kg		
INDUSTRY ULTRA	< 5100 kg			< 5500 kg				
HARD	< 900 kg							
INVISIBLE	< 300 kg			< 5100 kg	< 5500 kg			
XL	< 400 kg			< 400 kg	< 5500 kg	< 400 kg	< 6600 kg	
BUSINESS	< 700 kg			< 3500 kg		< 3500 kg		
LIGHT	< 400 kg			< 400 kg		< 400 kg		

\*Vehicles with tires should not stand on tiles for long periods of time to prevent the dye from migrating. To protect tiles, use Dr. Schutz PU Anticolor matt varnish.

**Note:** Total load capacity at 21 °C. The maximum load capacity may vary due to ambient temperature, surface texture, speed of travel and other factors. Avoid turning or spinning the wheels on the spot, excessive braking or accelerating, etc. When using recycled tiles, the load can be reduced.



