

1. PRESENTATION OF FORTELOCK PVC FLOORING

Presenting here our top-notch PVC interlocking system of floor tiles made by state-of-the-art and energy-efficient injection presses and featuring 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 floor coverings that can handle heavy-duty loads and traffic and wherever a high level

of resistance to abrasion and impacts is required, as well as resistance to the penetration of liquids, oils, solvents and more. Our heterogeneous Fortelock Decor, Business a Home 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 and be thoroughly acclimatized before the process begins (see 2.3).

Floors expecting heavier loads (especially pallet trucks) should be glued with an adhesive or otherwise fixed securely (see 2.5). Have a look at our recommendations, warnings and guarantees (see 3 and 4).

The installation of Fortelock products always comes after a careful measurement of the room. We recommend arranging the installation so that each side of the room contains an equally large section and leaves a gap of 10 mm from any fixed point (e.g. around a column, shelf 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.

2.1.1. SPECIFIC INSTRUCTIONS FOR 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, ideally several hours afterwards. When cutting floor tiles on the periphery, maintain a gap of at least 10 mm from any fixed point (e.g. around a column, shelves or walls). This gap can be later covered with baseboards.

2.1.2. SPECIFIC INSTRUCTIONS FOR INVISIBLE, HOME, AND 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 laying 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 and Home 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.

Installation:

There are two installation options:

- In a regular checkerboard pattern, where the ends of the tiles connect to each other (see the picture)
- The "continuity" can be offset by laying tiles in shifted positions (For Business and Home, 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.

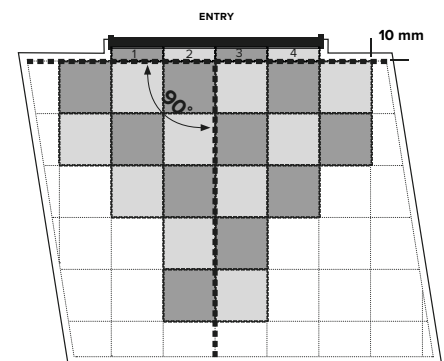
Business and Home tiles

Insert the tongue of the Business and Home tiles into the groove of the lock at an angle of about 30° and fully lay on the floor. This locks them in place. Grab the corners of a complete tile and, with a slight up angle, insert it diagonally into the right angle just formed. Once the tongue has been inserted into the groove, slowly level out the tile, then fully insert it until the tongue snaps into the groove. Properly laid tiles must fit together perfectly. You can see the video under the QR code.

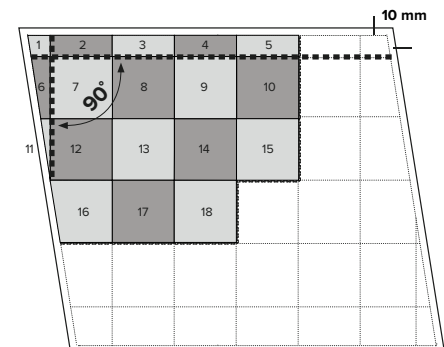


Business and Home tiles need to be gently tapped together after the connection is made with a tapping tool. For this reason, it is necessary to fix each peripheral tile installed against the wall with wedges or spacers to prevent it from moving. Check your work continuously against the demarcation lines. 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, as well as ramps, transitions and end pieces.

1. Fortelock installation LIGHT, INDUSTRY, XL



2. Fortelock installation INVISIBLE, BUSINESS, HOME



TIP:

2.1.3. FINAL INSTRUCTIONS FOR ALL INSTALLATIONS

Even without a laser, an exact right angle can be constructed. Measure off 3 m from the starting point in the direction desired for installation. Stretch out a 5 m string from the end point and intersect it with a 4 m string stretched out from the starting point. Their connection point forms the right angle for the starting point of the 3 m line.

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. Follow the Cleaning, Maintenance and Disinfection document.

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

We will be happy to share your good or bad experience with installing your floor as well as your photographs. Please send your comments to us at info@fortemix.com.

2.3. TEMPERATURE CONDITIONS

TEMPERATURE CONDITIONS

Do not install the floor tiles immediately after their delivery. Let the flooring acclimatize for at least 48 hours before installation. The acclimatization should take place 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 5 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.

2.4. 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 especially fast cutting of individual tiles, we recommend using a cutter / guillotine, e.g. Magnum Soft Flooring Shear (762mm). 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, XL and Invisible 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. Business and Home products can be supplemented with Fortelock 2321 baseboards.

There are three ways to install baseboards:

- by screwing the underboard into the wall and inserting the baseboard onto it
- by gluing the underboard to the wall and inserting the baseboard onto it
- or by directly screwing the baseboard into the wall without using an underboard.

2.5. FIXING AND GLUING FLOOR TILES

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

Gluing detachable tiles to the substrate will ensure the stability of the tiles during heavy-duty movement across the floor. We recommend using the adhesive UZIN Universalfixierung 6473 for gluing floor tiles. Prior to gluing, 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.

ADVANTAGES

- Simple application of the glue with a roller
- Low consumption
- One floor tile or the entire floor can be easily dismantled even when fixed into place
- The glue can be removed with warm water and does no damage to the substrate

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.

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 universal glue based on MS polymers) or screw it in firmly. When gluing, it is necessary to let the glue thicken before inserting individual pieces (24 hours recommended). If you screw in the baseboards, individual pieces can be installed immediately. Insert the upper part of the baseboard under the edge of the underboard and press it against the wall so that the lower part of the baseboard (narrow part) covers the expansion joint. Continue inserting other pieces of the baseboard and ensure the locks are correctly connected.

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.

Gluing is carried out by applying a water-removeable coating to the floor intended for the installation of the tiles. 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.

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 floor tiles in heavy-duty areas, we recommend the adhesives Uzin KR 430, Bostic EPONAL PU 456, Murexin PU 330 and Dipur Polychem.

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

2.5.1. WHEN TO TAPE THE FLOOR AND WHEN TO GLUE IT?

DIRECT SUNLIGHT

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 and catalysts 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 a car (catalytic converter or other heat source) might be parked.

Recommended maximum load weight, including the weight of the truck for:	Loosely laid		Taped in place		Glued
	Using at 20°C	Using at 25°C	Using at 20°C	Using at 25°C	
Four-wheel forklift trucks with rubber tires	< 5 500 kg	< 5 000 kg < 5 500 kg**	< 5 500 kg	< 5 500 kg	< 5 500 kg
Reach trucks with hard wheels	< 0 kg < 2 500 kg**	< 0 kg < 2 500 kg**	< 4 200 kg	< 4 200 kg	< 4 200 kg
Pallet trucks with hard wheels *	< 800 kg < 1 200 kg* < 2 200 kg**	< 500 kg < 1 000 kg* < 1 800 kg**	< 2 200 kg ***	< 2 200 kg ***	< 2 200 kg ***

* Fortelock Hard

** Fortelock Industry Ultra

*** Fixation under Fortelock Industry Ultra is not necessary with respect to the maximum load capacity of the pallet truck.

Note: Where there are uneven surfaces and/or floor tiles made from recycled material, the maximum load capacity can be reduced. The figures in the table are based on the recommended use of Fortelock Industry PVC tiles.

USE OF RAMPS

When using ramps at the entrance to the garage, we recommend gluing both the ramps and all rows of tiles where the sun shines whenever the garage door is open.

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. Replacement may be subject to a fee paid by the customer, which reflects the difference in depreciation between 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 is to 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, s.r.o. 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 more 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 (ECO black, ECO grey) 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 silvery 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. 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 (e.g. Anticolor Dr.Schutz, which we have in our offer).

11. 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.

12. 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.

13. 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.

14. Unfortunately, we cannot guarantee 100% color consistency particularly for individual product batches. Adaptation is required when performing an installation with different batches.

15. The manufacturing process of FortelockHome, Business, Decor design does not allow randomly selected floor tiles to be automatically joined together while ensuring the consistency of the wood decor.

16. The floor tiles have been designed to provide exceptional durability and easy installation. This is made possible by a unique interlock design and manufacturing process. This manufacturing method can result in visible traces of injection from the center to the edge of the tile.

17. 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.

18. Prior to installation, please have a look at www.fortemix.com to make sure you have the latest technical documentation.

19. 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. Stick with this procedure throughout the installation.

20. Detailed information on maintenance can be found in Cleaning, Maintenance and Disinfection.

21. 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.

22. 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.

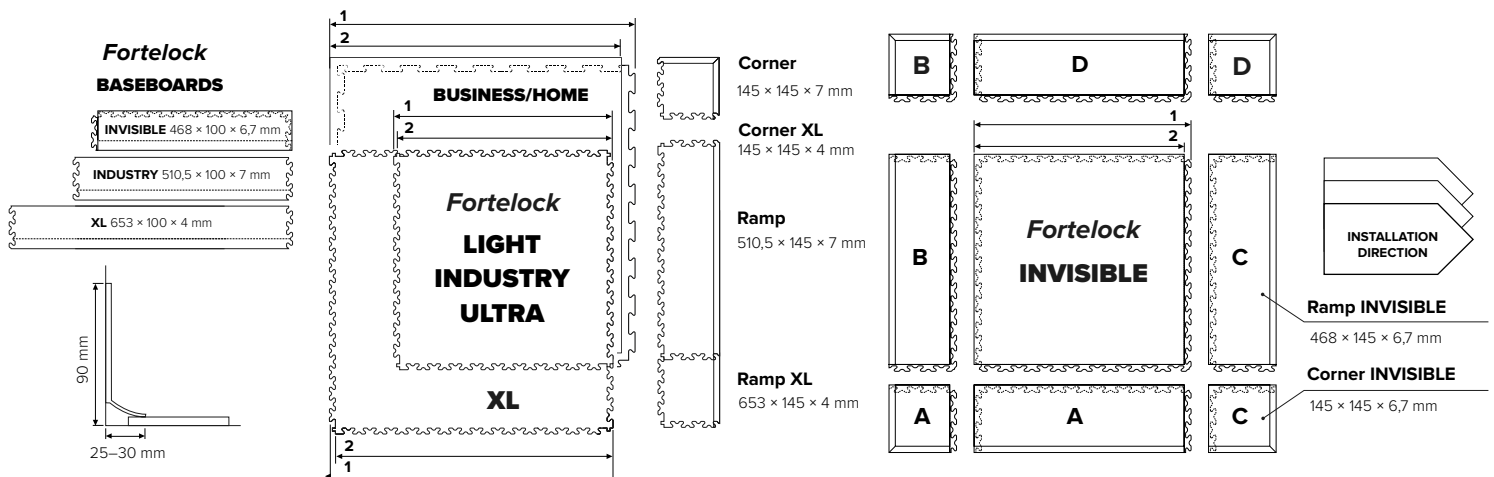
5. TECHNICAL PARAMETERS OF FORTELOCK PVC FLOORING LIGHT, INDUSTRY, INVISIBLE, XL, BUSINESS, HOME

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. Contact your dealer for more information.

Series	Standard	Fortelock PVC flooring							
		LIGHT	INDUSTRY	ULTRA	INVISIBLE	XL	BUSINESS	HOME	
Product numbers – Tiles		2050 – diamond 2060 – leather 2080 – coin	2010 – diamond 2020 – leather 2040 – coin	2410 – diamond 2420 – leather 2440 – coin	2030	2230	2320	2310	
Product numbers – Ramps		2015 – diamond 2025 – leather 2045 – coin	2015 – diamond 2025 – leather 2045 – coin	2415 – diamond 2425 – leather 2445 – coin	2035 – type A 2034 – type B 2033 – type C 2032 – type D	2235	ZDL012	ZDL012	
Product numbers – Corners		2016 – diamond 2026 – leather 2046 – coin	2016 – diamond 2026 – leather 2046 – coin	2416 – diamond 2426 – leather 2446 – coin	2036 – type A 2037 – type B 2038 – type C 2039 – type D	2236	ZDL012	ZDL012	
Product Numbers – Baseboards		2011 – diamond 2021 – leather 2041 – coin	2011 – diamond 2021 – leather 2041 – coin	2011 – diamond 2021 – leather 2041 – coin	2031	2231	2321	2321	
Area of use, intensity of use		32 - 33 (ČSN EN ISO 10581 and 10582)	42 - 43 (ČSN EN ISO 10581 and 10582)	42 - 43 (ČSN EN ISO 10581 and 10582)	42 - 33 (ČSN EN ISO 10581 and 10582)	32 - 33 (ČSN EN ISO 10581 and 10582)	23 - 34 - 43 (ČSN EN ISO 10874)	23 - 32 - 41 (ČSN EN ISO 10874)	
Size of the tile with lock 1		510,5 × 510,5 mm			468 × 468 mm	653 × 653 mm	670 × 670 mm		
Actual coverage size 2		496,5 × 496,5 mm			453 × 453 mm	639 × 639 mm	640 × 640 mm		
Type		homogeneous flooring				heterogeneous flooring			
Weight (± 10 %) *		1,7 kg	2,3 kg	3,1 kg	1,8 kg	2,3 kg	4 kg		
Finish		leather/diamond/coins	leather/diamond/coins	leather/diamond/coins	snake skin				
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	0,4 mm
Dimensional stability *	ČSN EN ISO 23999	≤ 0,4 %							
Resistance to chemicals		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 646					satisfactory			
Hardness **	ČSN EN ISO 868	92±3 Shore A							
Deformation after static loading *	ČSN EN ISO 24343-1	< 0,1 mm					0,04 mm (norm ≤ 0,10)	0,03 mm (norm ≤ 0,10)	≤ 0,20 mm
Resistance to chair wheels		adequate (ČSN EN ISO 425)					complies (EN ISO 4918)		
Effect of furniture legs	EN ISO 16581 (EN 424)						very good		no damage
Abrasion resistance *		T (ČSN EN ISO 660-2)					Type I (ČSN EN ISO 10582)		T (ČSN EN ISO 660-2)
Anti-slip property *	DIN 51130:2014-02	R10					R9	R10	
Straightness, squareness, length *	ČSN EN ISO 24342	<=±0,20% of 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 tiles in 1 m ²		4			5	2,5	2,46		
Compressive strength *	ČSN EN ISO 604-1	520 kg/cm ²							
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



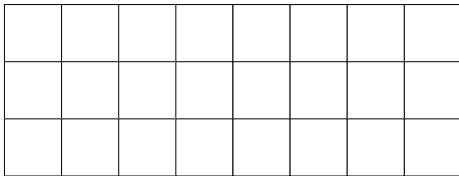
7. ACCESSORIES AND SERVICES

ESD EARTHING FOIL							
ESD EARTHING KIT							
2.5 m baseboard	white		grey			black	
Glue under the baseboard							
Print GRANIT	01	02	03	04	05	06	
Print MAX	Camouflage	Concrete Dark	Concrete Light	Copper	Grass	Gravel	Forest
Print CUSTOM							
Print PU (Varnished)							
Dr. Schutz R basic cleaning agent				10 l			
Dr. Schutz Secura hard protective layer				10 l			
Dr. Schutz PU Anticolor mat				6 l			
Fixing glue under PVC	3 kg			12 kg			
PUR glue	2,5 kg		6 kg		10 kg		
Fixing tape							
Marking tape	Yellow			Yellow-black			

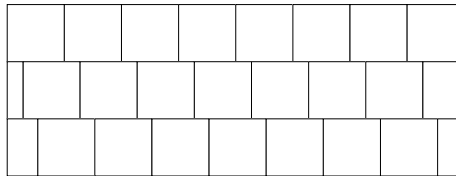
Accessories for Fortelock Home and Business	Length	Width	Height	Material	Installation
Transition profile – ZDL013	1350 mm	32 mm		Aluminum	Self-adhesive
Ramp and corner – ZDL012	1350 mm	80 mm	8,5 - 15 mm	Aluminum	Drilling (screws included)
Floor moldings – Fortelock 2321	2000 mm	9,7 mm	58 mm	PVC	Gluing (glue not included)

8. PATTERNS FOR LAYING FORTELOCK BUSINESS AND HOME TILES

1. STACKED



2. OFFSET (1/4)



3. OFFSET (1/2)

