

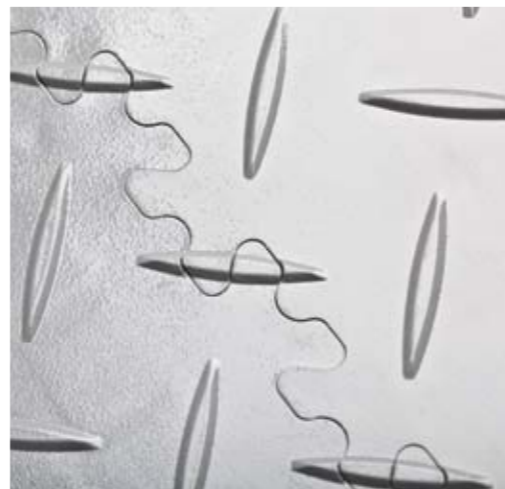
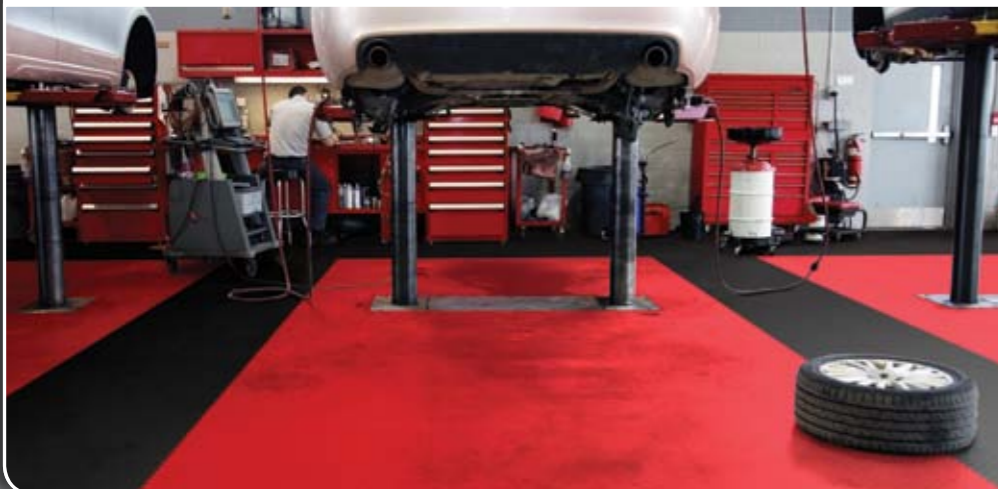


# Fortelock

*Quick floor*

*Vinyl tiles with interlock for free laying*





# Fortelock tiles

The Fortelock system consists of mutually lockable tiles made of 100% PVC, which can be laid onto new and existing substrates of different quality. The tiles are made by injection in the Czech Republic using modern energy-saving injection moulding presses of materials that provide the tiles with high wear resistance, chemical resistance and long term stability.

## Wide range of uses from schools to heavy manufacturing

The tiles are very widely used in the production, stocks, rentals, garages, workshops, fitness, children's corners, shops, cellars, laundries, car service workshops, showrooms, exhibitions, offices, etc.

## Easy installation independent of the substrate

Fortelock flooring excels in easy installation, which can be performed using only rubber hammer and a knife. Moreover, in most cases it is not necessary to prepare the substrate by screeding or to glue the tiles etc.

## Nice and colourful floor

Fortelock tiles significantly reduce vibrations and impact noise and act as a thermal insulation material. Therefore, the walking and standing on Fortelock tiles is also much nicer than on concrete, ceramic tiles, etc. Colour variants of Fortelock tiles also allow for unleashing your imagination.

## Durability and quality

Also thanks to the thickness of 7 mm Fortelock tiles resist high and frequent load, impacts (e.g. of a hammer), chemicals, etc. Moreover, the quality of the Fortelock tiles is guaranteed in accordance with European standards, in particular EN 14014.

## A floor that breathes – Air-Flow moisture elimination system

Fortelock tiles are on the bottom fitted with a unique system of drainage channels, which provides for drainage and prevents problems with substrate moisture and formation of moulds.

## Warranty up to 12 years for wear

The Fortemix company guarantees wear resistance of Fortelock tiles for up to twelve years from the date of production, see technical data sheet. The expected lifetime with proper maintenance, is 25 years.

## Environmentally friendly product

The producer of Fortelock tiles makes maximum use of standardized recycled materials, mainly from other production processes, so as to save primary sources. In addition, at the end of the life cycle of your floor the tiles can be fully recycled and re-pressed on payment, so the floor can serve for many years without further costs.

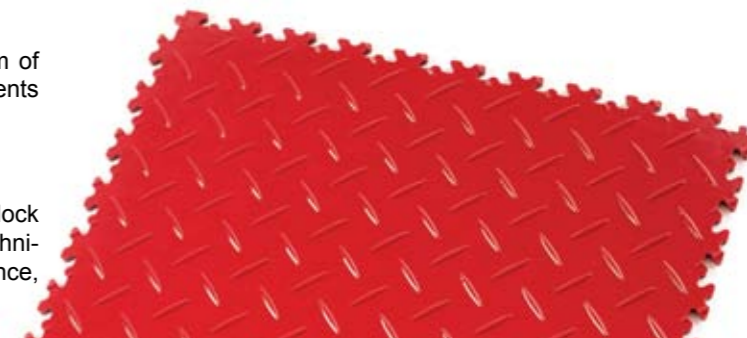


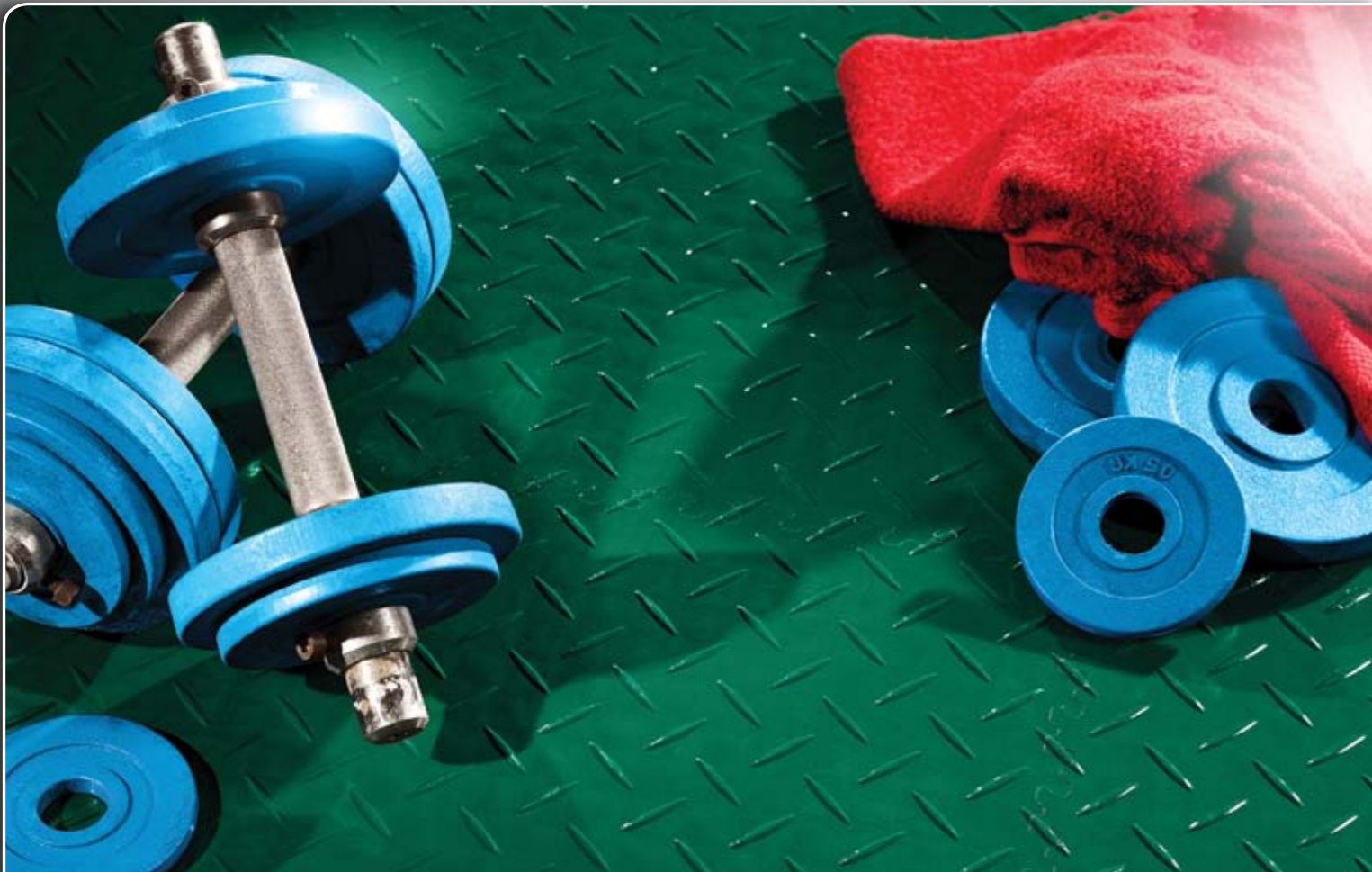
## The floor is demountable and removable, transportable and easily repairable

Individual Fortelock tiles or even the entire floor can always be demounted and moved to a new location such as new rented accommodation. In case of damage, it is easy to replace one tile.

## Proudly made in the Czech Republic

Fortelock tiles are manufactured in our own injection moulding machines in the Czech Republic in Ostrava production plant. The manufacturer of the tiles – Fortemix – is a Czech company specializing in the manufacturing of flooring systems that are already laid on more than five million square meters in the world. With this specialization, Fortemix is building a modern enterprise which is, thanks to the quality, price and innovation, established already in 9 European countries.





# Frequently asked questions

## What are the applications of Fortelock floor?

Fortelock floor was developed for a wide range of applications in manufacturing, garages, workshops, basements, warehouses, gymnasiums, laundries and many other facilities.

## Do I have to prepare the floor before applying Fortelock?

It is usually sufficient only to sweep the floor. Oil or other contaminants are not a problem. The potholes will not damage Fortelock tiles (this will only result in an imprint of the unevenness), but we recommend pouring screed or other compounds in these potholes so as to facilitate the use of the floor.

## What do I need for Fortelock application?

No special tools are required. We recommend a rubber hammer locks for easier interlocking and a knife to trim the tiles at the walls.

## How do I finish Fortelock floor at the walls and at the entrance?

Trim the marginal tile 5 mm from the wall with a knife. Connect Fortelock drive-ups to the tiles at the entrance.

## Is the Fortelock floor able to withstand oils and other chemicals?

Certain ones. Polymeric structure of the Fortelock flooring is resistant to most oils and acids.

## Can a damaged tile be replaced?

Of course, it is possible to replace one or even more.

## Isn't the floor too slippery?

Quite the contrary. Fortelock floor designs have highly anti-slip properties.

## What happens to water on the floor?

Fortelock interlocks flooring are very tight, so only a minimum of water penetrates below the tiles. Furthermore, the Fortelock tiles feature a special AirFlow channel system, which provides "breathing" of the tile, so the water can easily evaporate from under the tiles. Unlike other systems, the Fortelock floor is thus not susceptible to rotting and stinking due to water enclosure.

## Does this floor insulate?

Yes. The Fortelock floor acts as both thermal and acoustic insulation.

## What kind of care does this floor require?

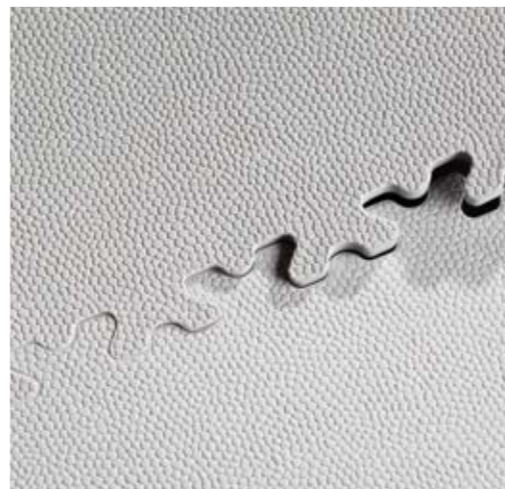
Standard floor does not require more than water, detergent and mop. If it is necessary to increase the gloss of the floor or clean extreme dirt, we recommend Dr.Schutz product portfolio.

## Is there an increased risk of fire?

Thanks to Fortelock floor components, which themselves inhibit fire, this flooring is according to independent tests included in difficult-to-ignite category.

## Can I use the floor outdoors?

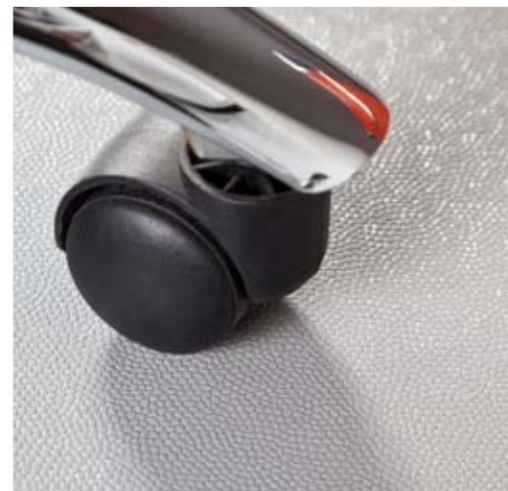
It is not recommended, but it is possible if the user considers possible changes in colour and volume of the tiles.



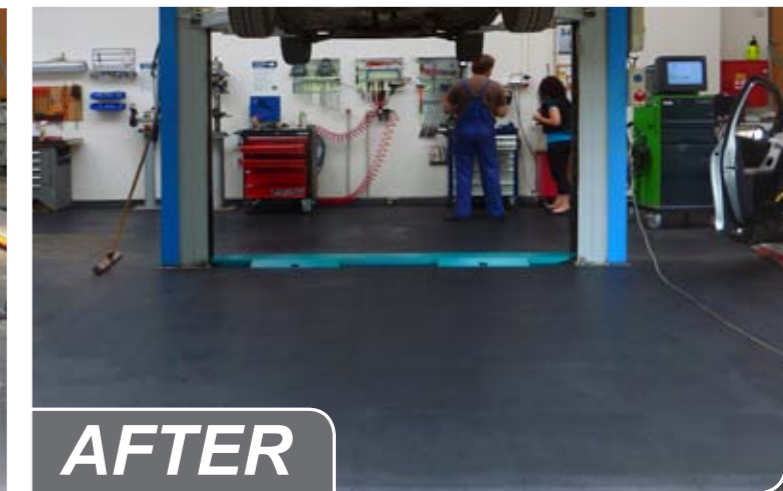


# Comparison of methods of floors repair

	Fortelock vinyl tiles	Ceramic tiles	Cement screeds	Coatings	Resin screeds
Material price	higher	medium	medium	low	higher
Laying price	very low	medium	medium	medium	high
Resistance to wear	high	medium	medium	low	high
Tolerance to moisture content	high	medium	high	low	very low
Installation within a few hours	yes	no	no	partially	no
Outage of the room including the substrate preparation	zero	medium	high	medium	high
Installation only with a rubber hammer and a knife	yes	no	no	no	no
Resists impacts	absolutely	little	moderately	little	moderately
Easy local repair	yes	partially	no	no	no
Dependence on the substrate and the need for preparation	minimum	high	high	high	high
Anti-fatigue and insulating surface	yes	no	no	no	partially
Possibility of easy replacement or relocation	yes	no	no	no	no



**BEFORE**



**AFTER**

## Fortelock 2010, 2020 – tiles for heavy duty applications



These tiles are filled from the bottom and are used **in areas with high spot or dynamic loads**. Typically they are used in operations with heavy handling machinery (*esp. forklifts or electric pallet trucks*).

### Typical operations

- factories and warehouses
- engineering enterprises
- shopping centres
- distribution centres
- heavy equipment garages
- sports facilities
- exhibitions and sales points
- railway stations and airports
- passenger terminals
- power plants
- hangars
- police and fire stations



▲ detail of the rear side

#### Technical information – specific

Product name	Fortelock 2010	Fortelock 2020	Fortelock 2015	Fortelock 2025
Type of product	Tile		Drive-up and corner tile in one	
Surface	diamond	skin	diamond	skin
Dimensions	510x510x7mm		510x140x7mm	
Weight	2,2 kg		0,5 kg	



## Fortelock 2050, 2060 – tiles for medium load

These tiles are ribbed at the bottom and are used **in areas with medium spot or dynamic loads**. Typically they are applied in operations where heavy handling machinery (*esp. forklifts or electric pallet trucks*) is not used.

### Typical operations

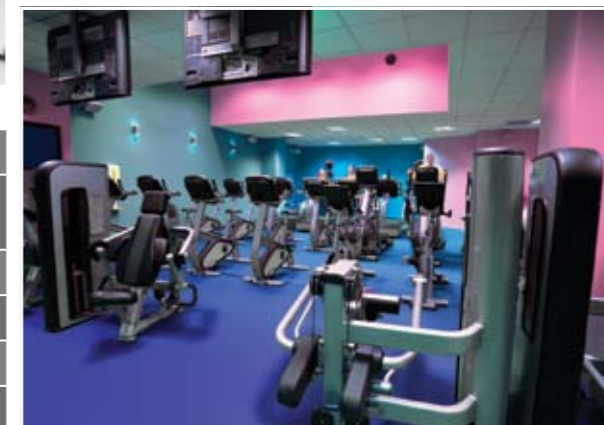
- garages, workshops, basements
- fitness and sports facilities
- light manufacturing and storage facilities
- schools and kindergartens
- car service facilities
- exhibitions and sales points
- shops
- offices
- gymnasiums
- passenger terminals
- power plants
- detail of the rear side



▲ detail of the rear side

#### Technical information – specific

Product name	Fortelock 2050	Fortelock 2060	Fortelock 2015	Fortelock 2025
Type of product	Tile		Drive-up and corner tile in one	
Surface	diamond	skin	diamond	skin
Dimensions	510x510x7mm		510x140x7mm	
Weight	1,4 kg		0,5 kg	



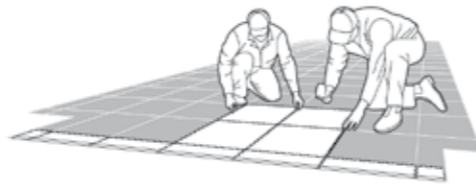
# Installation procedure



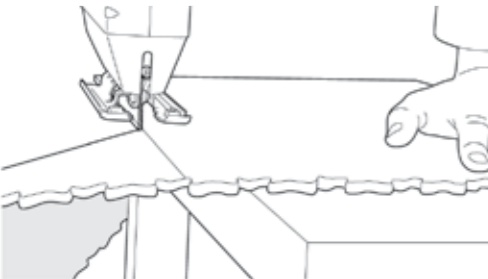
**1** Before laying, let the tiles acclimated for 24 hours and level and sweep the floor.



**2** By means of a chalk draw lines in the transverse and longitudinal direction of the room. It is essential that the tiles are kept in mutually orthogonal position.



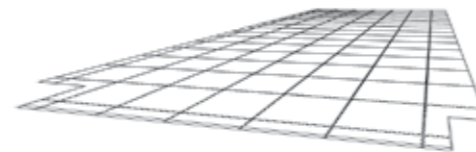
**3** Distribute the tiles and tap with rubber hammer. Start the installation from the driveway and continue further to the room.



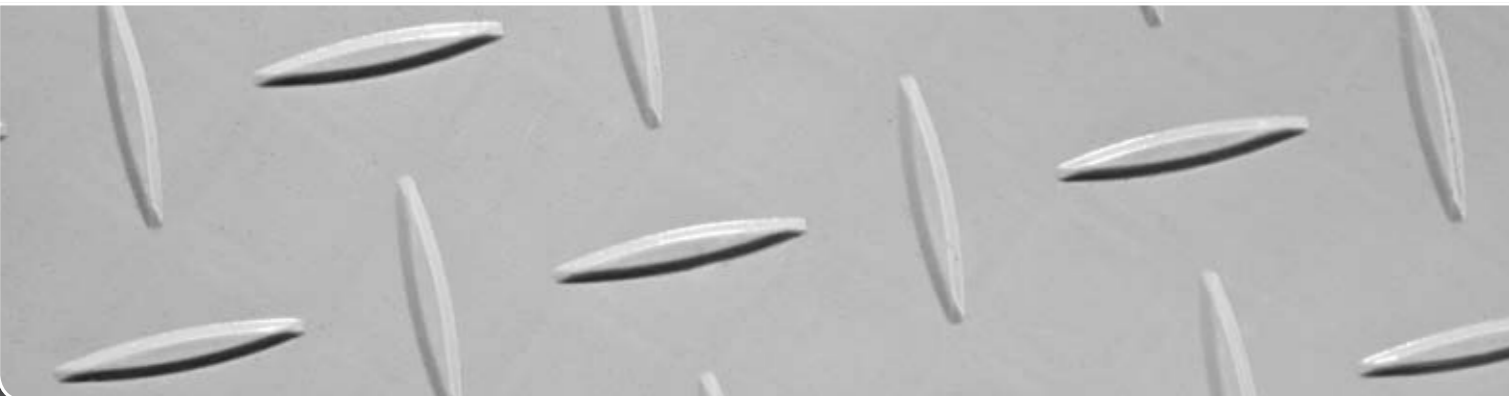
**4** Finally cut and fit the tiles.



**5** Leave a gap of at least 5 mm at the walls.



**6** Done

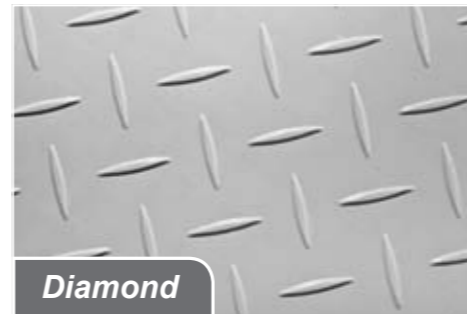


# Technical information

## Technical information

Hardness	92 Shore A
Resistance to chemicals	Good
Total thickness	7-8 mm
Surface layer thickness	7-8 mm
Resistance to abrasion	T (<0.1mm /100)
Deformation after static load	<0.1mm
Dimensional stability	<=0,20%
Fastness under artificial lighting	>5 (without damage)
Reaction to fire	difficult-to-ignite
Slip resistance	Dynamic friction coefficient of up to 0.75
Wear guarantee	up to 12 years

## Designs

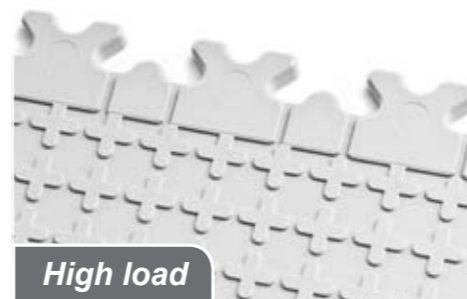


**Diamond**

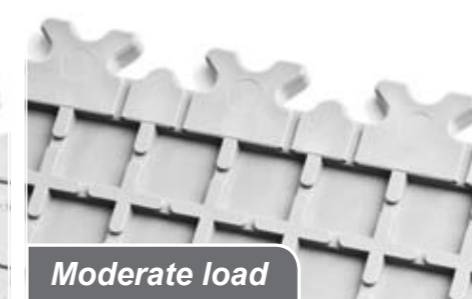


**Skin**

## Bottom side

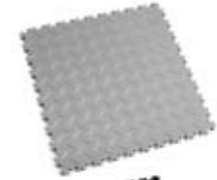


**High load**



**Moderate load**

## Colours (basic)



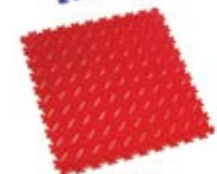
Grey



Black



Blue



Red



Green



Yellow

Specific information on the use, maintenance and warranty can be found in the product technical data sheet and on the following websites:  
[www.fortelock.eu](http://www.fortelock.eu), [www.fortemix.eu](http://www.fortemix.eu)



Fortemix

**Fortelock**



Stamp of distributor:



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