



Flooring Systems

Solid foundations for your
business success

A combination of innovation,
resilience, and simplicity
of application for maximum
floor longevity.



About Us

We are Fortemix, s.r.o. – a Czech company that specializes in the manufacture of industrial flooring systems. We build on expertise, innovation, and with an emphasis on quality. This has earned us the trust of customers in dozens of countries worldwide.

Our aim is to lead the way in construction chemistry and flooring solutions. We do not want to be just a supplier – we want to be your reliable and long-term partner. A partner you can rely on technically, commercially, and personally.

We do our utmost to ensure your satisfaction - whether it concerns the quality of our products, production speed, prompt delivery, or technical support. We believe that an honest approach, open communication, and a premium product form the foundation of every solid partnership.

Adam Milata, Owner



Why choose us?

What matters to us

We manufacture flooring system products, but in reality, we create much more. We are building a company built on solid foundations: people, fair relationships, and responsibility towards the environment.

Satisfaction that starts from within

We believe that only satisfied people can do good work. Therefore, we create an environment where our employees have the freedom to make decisions, take responsibility, and move things forward. Not through control, but through trust.

Not processes, but purpose

Partnership, not just delivery. The customer is not a destination, but part of the journey. That is why we seek solutions, not excuses. We respond quickly, listen carefully, and deliver what we promise. Not because we have to. But because we care.

Responsibility towards the future

Environmental solutions are our standard, not an added value. We use recycled raw materials, optimize production, and reduce our ecological footprint. Not because it looks good in a presentation, but because it is the right thing to do.

Why us?

If you are looking for a supplier who:

- **keeps their word, even when it is difficult,**
- **stands behind the quality they produce,**
- **communicates openly and acts fairly,**
- **and does not treat ecology as marketing, but as a commitment,**

then Fortemix is the right partner for you.

We are Fortemix. And we believe that quality work begins with the right approach.





Fortedur
Cement dry mix

Advantages

- ✓ Extra-long life of the floor in comparison with conventional concrete
- ✓ High productivity and ease of installation
- ✓ High resistance to operating loads
- ✓ Increased impact resistance
- ✓ Increased resistance against the seepage of aggressive substances (oils, solvents, etc.)
- ✓ Controls the formation of dust and slipperiness of the surface
- ✓ Various colors available

Properties, requirements

- Requires high-quality and expert application
- Copies the plane of the concrete slab
- Inconsistencies in color may develop in choosing color variations

Fortedur Wet
Screeds for concrete floors

Advantages

- ✓ Extra-long life of the floor in comparison with conventional concrete
- ✓ High productivity and ease of installation
- ✓ High resistance to operating loads
- ✓ Increased impact resistance
- ✓ Increased resistance against the seepage of aggressive substances (oils, solvents, etc.)
- ✓ Controls the formation of dust and slipperiness of the surface
- ✓ Various colors available

Properties, requirements

- Requires high-quality and expert application
- Copies the plane of the concrete slab
- Inconsistencies in color may develop in choosing color variations

FormulaForte
Curing and finishing coats.

Advantages

- ✓ Chemical curing of the surface
- ✓ Decreasing dust
- ✓ Cleaning made simple
- ✓ Application made simple
- ✓ Increasing gloss
- ✓ Sealing and waterproofing the surface
- ✓ Tolerance to moisture in the substrate

Properties, requirements

- It copies the surface, i.e. doesn't fill in depressions or cracks in the floor.

Coatings for cement floors



Fortecoat 1430 Protect+
Temporary treatment coating for fresh concrete and dry mixes

Advantages

- ✓ Significantly reduces soiling of the floor surface by trolley wheels
- ✓ Temporary surface coating film is easily removed by washing, cleaning, daily use
- ✓ Increases hardness of concrete surface
- ✓ Can be applied the same day concrete is poured
- ✓ Simultaneously treats concrete and forms a final layer
- ✓ Optimizes the concrete hydration process
- ✓ Seals and impregnates the surface
- ✓ Increases strength qualities
- ✓ Reduces dust formation and increases abrasion resistance



Fortecoat 1425, 1426, 1427
Temporary Skim Coat for Fresh Concrete and Dry Mixes

Advantages

- ✓ Can be applied the same day concrete is poured
- ✓ Simultaneously treats concrete and forms a final layer
- ✓ Optimizes the concrete hydration process
- ✓ Seals and impregnates the surface
- ✓ Increases strength qualities
- ✓ Reduces dust formation and increases abrasion resistance
- ✓ Product 1426 is water-based – solvent-free



Fortcem
Quick screed

Advantages

- ✓ High flow rate, achieves excellent flatness at a thickness of 10-50 mm
- ✓ Good adhesion to base concrete
- ✓ High productivity and ease of installation
- ✓ Rapid loss of moisture, minimum volume changes, minimum
- ✓ Technical pauses

Properties, requirements

- Not suitable for outdoor areas
- Depends on expert application



Fortegrout
Cement-based grouts

Advantages

- ✓ High productivity and ease of application
- ✓ High flow rate, achieving above-standard flow
- ✓ Good adhesion to base concrete
- ✓ Rapid-hardening with a very strong final firmness
- ✓ Fills in all seal-tight areas
- ✓ Does not contain substances that cause the concrete to corrode
- ✓ Resistant to chemical affects



Fornivel
Cement-based self-leveling screeds

Advantages

- ✓ Extra-long life of the floor in comparison with conventional concrete
- ✓ High resistance to high operating loads
- ✓ Surface remains free of dust and slipperiness
- ✓ Simplicity and speed of the installation
- ✓ High flow rate
- ✓ Good adhesion to base concrete
- ✓ Fast hardening
- ✓ High compatibility with Fortecoat coating compounds

Properties, requirements

- The substrate needs to be in good condition and well prepared
- Needs high-quality and expert application



Fortecoat 1410
Dispersion Acrylic
Primer for Screeds
and Self-levelling Screeds

Advantages

- ✓ Easy workability
- ✓ Low economic demands of the coating
- ✓ Good penetration and stabilizing properties
- ✓ Low viscosity solution of the final product
- ✓ Good mechanical properties
- ✓ Stable in freeze/thaw cycles
- ✓ Penetrating product with many years of proven use



Fortecoat 1420
Colorless Final Coating

Advantages

- ✓ Easy workability
- ✓ Low economic demands of the coating
- ✓ Simultaneously treats surface and forms a final layer
- ✓ Can be applied 24 hours after laying the self-levelling floor
- ✓ Increases abrasion resistance
- ✓ Seals and impregnates the surface
- ✓ Limits the formation of dust

Cement dry mix

System characteristics

Fortedur system is used to create durable topping of monolithic concrete floors with resistance to high duty, supreme resistance to abrasion and increased resistance to the penetration of oil and grease. Immediately after usual fitting of the concrete slab **Fortedur** is sprinkled on the fresh wet concrete.

The functional reliability of the product is guaranteed in the recommended system, which consists of the **Fortedur** powder mixture and the special curing coating **Fortecoat 1425, 1426, 1427, 1430 Protect+**.

Special features of the product

ASA additive (Anti-Shrinkage Agent) is special ingredient of dry mixture, which rapidly decreases creation of cracks of topping securing higher volume stability. It improves final visual impression and consequently perfects mechanical characteristics of floor.

High abrasive resistant micro particles, which are creating upper floor layer of final system, are improving final abrasion resistance.

Use of very fine spherical particles forms **SILICA EFFECT**, which lowers porosity and absorptivity and increases frost and corrosion resistance, compressive strength and solidity.

System Parameters

- Layer thickness 1.5-3 mm.
- Walkability after 1-3 days.
- Full load capacity after 28 days.
- Compressive strength 65-80 MPa.
- BCA abrasion resistance 0.02-0.05 mm.

Color design



Fortecoat 1425, 1426, 1427, 1430 Protect+

Protective spray coating for fresh concrete and dry-shake surfaces.

Fortedur 1010-1040

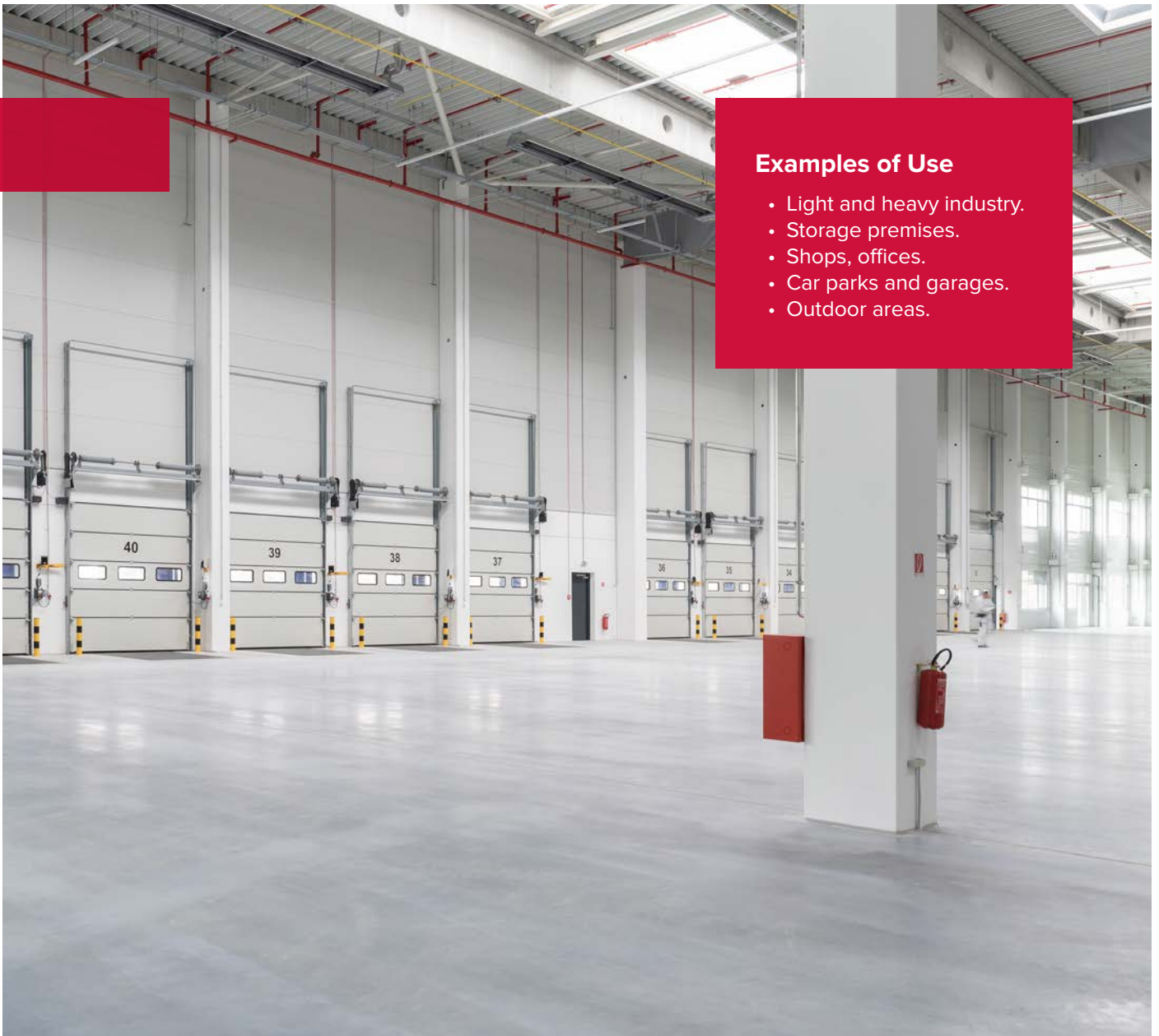
Cement dry mix containing metallic aggregates.

Concrete base



System advantages

- Multiplied lifetime of floor confronting standard concrete with minimal price increase.
- High productivity and simplicity of floor laying.
- Supreme resistance to high duty.
- Increased resistance to the penetration of oil and grease.
- Dust free.



Examples of Use

- Light and heavy industry.
- Storage premises.
- Shops, offices.
- Car parks and garages.
- Outdoor areas.

Technical parameters

Product type	Fortedur 1010	Fortedur 1015	Fortedur 1020	Fortedur 1025	Fortedur 1027	Fortedur 1030	Fortedur 1040
Aggregate	Siliceous sands	Sintered oxides and siliceous sands	Sintered oxides	Sintered oxide + metallic	Mixture corundum with silicates	Metallic aggregates	Silicon carbide
Compression strength	C60	C60	C70	C80	C80	C80	C80
Böhm resistance (cm³/50 cm²)	5	4	2	1.5	1.5	1	1
BCA abrasion resistance (mm)	0.050	0.040	0.035	0.025	0.025	0.020	0.020
Consumption (kg/m²)	3-6						
Classification EN 13 813	C60-F7-AR0.5	C60-F7-AR0.5	C70-F10-AR0.5	C80-F10-AR0.5	C80-F10-AR0.5	C80-F10-AR0.5	C80-F10-AR0.5
Operational load	medium-sized undertaking	medium-sized undertaking	high	very high	very high	very high	high aesthetic requirements

Screeding mix for concrete floors with fibers (CRACK STOP finish) and ASA additive.

System characteristics

The **Fortedur Wet** screeding mix is intended for the preparation of the wear layer in the industrial concrete floors, with heavy-duty characteristics, where an extreme abrasion resistance, impact resistance and an increased seepage resistance (oil, solvents, and others) is required. The screeding mix is applied as a surface finish of the fresh-laid concrete mix or an older concrete underlayer. If the application conditions are met, the system can also be used with outdoor surfaces.

Special features of the product

ASA (Anti-Shrinkage Agent) is a special additive contained directly in the dry mixture, which significantly reduces the formation of plastic cracking on the surface of the finished floor by providing a higher volume stability. This also improves the resultant appearance and mechanical properties of the finished floor.

CRACK STOP finish. The product contains highly resistant zirconic fibers which ensure three-dimensional (omnidirectional) reinforcement of the material during the ageing process and subsequently help to increase the resistance against a high local load.

By adding the highly abrasion-resistant micro-particles, which become part of the uppermost top layer in the finished system, surface resistance is significantly increased.

Using the hyper-fine spherical particles in the dry component of the system, the **SILICA EFFECT** helps reduce porosity and seepage, increase freeze resistance and corrosion resistance, and provides better physical and mechanical properties (compression, bending tension, abrasion) and improved compactness.

System Parameters

- Layer thickness 5-20 mm.
- Walkability after 1-3 days.
- Full load capacity after 28 days.
- Compressive strength 65-80 MPa.
- BCA abrasion resistance 0.02-0.05 mm.
- 25 kg package.

Color design



Fortecoat 1425, 1426, 1427, 1430 Protect+

Protective spray coating for fresh concrete and dry-shake surfaces.

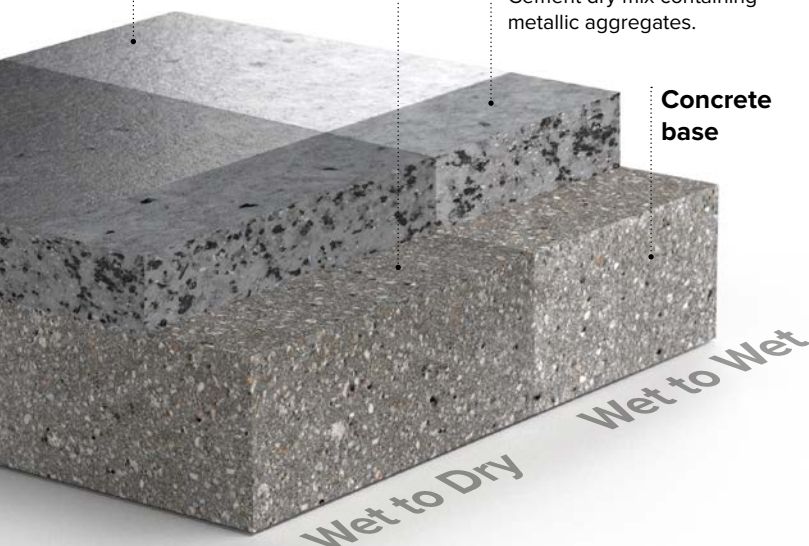
Fortedur 1091

Adhesive cement bonding bridge.

Fortedur Wet 1011-1041

Cement dry mix containing metallic aggregates.

Concrete base



System advantages

- Extra-long lifetime of the floor in comparison with the conventional concrete screeds, at a minimum extra cost.
- High productivity and simplicity of laying.
- High operational load resistance.
- Increased impact resistance.
- Increased seepage resistance against aggressive substances (oils, solvents, etc.).
- Limited dust formation and surface slip resistance.



Examples of Use

- High-bay warehouse storage.
- Manufacturing, including the heaviest.
- Offices and retail premises.
- Parking.
- Outdoor areas.

Technical parameters

Product type	Fortedur Wet 1011	Fortedur Wet 1021	Fortedur Wet 1021 SFF	Fortedur Wet 1026	Fortedur Wet 1031	Fortedur Wet 1041
Aggregate	Siliceous sands	Sintered oxide based	Sintered oxide based	Sintered oxide + metallic	Metallic aggregates	Silicon carbide
Compression strength	C60	C70	C70	C80	C80	C80
Böhm resistance (cm³/50 cm²)	5	2	2	1.5	1	1
BCA abrasion resistance (mm)	0.05	0.035	0.035	0.025	0.02	0.02
Consumption (kg/mm²)	1.8	1.9	1.9	2.1	2.3	2.35
Layer thickness (mm)	5-20					
Mixing water (l/25 kg)	3.0-3.5	4.0-4.5	4.5-6.5	4.0-4.5	4.0-4.5	3.5-4.0
Classification EN 13 813	CT-C60-F7-AR0,5	CT-C70-F10-AR0,5	CT-C70-F10-AR0,5	CT-C80-F10-AR0,5	CT-C80-F10-AR0,5	CT-C80-F10-AR0,5

Cement-based self-levelling screeds with additives ASA and CRYX.

System characteristics

The self-levelling mixture **Fornivel** is intended for preparation of the levelling or finish layer of concrete floors where excellent flatness and adhesion to the concrete underlayer is required. The product may only be applied to the matured underlayers. Functional reliability is guaranteed in the recommended system, which consists of the **Fornivel** powder mixture and special underlayer coat **Fortecoat 1410** or the finishing coat **Fortecoat 1430 Protect+**.

Special features of the product

ASA (Anti-Shrinkage Agent) is a special additive contained directly in the dry mixture, which significantly reduces the formation of plastic cracking on the surface of the finished floor while improving the final appearance and mechanical properties of the material. In addition, it facilitates the laying of the self-levelling screeds.

The **CRYX** additive makes a so-called crystallization effect which binds the mixing water into a crystallization structure of the substance being generated, which prevents it from escaping to the ambient environment, reduces the hardening time and primarily reduces the formation of micro-cracks.

Crack Stop (CS) fibers. The product contains highly resistant zirconic fibers which ensure three-dimensional (omnidirectional) reinforcement of the material during the ageing process and subsequently help to increase the resistance against a high local load.

By adding the highly abrasion-resistant micro-particles, which become part of the uppermost top layer in the finished system, surface resistance is significantly increased.

Using the hyper-fine spherical particles in the dry component of the system, the **SILICA EFFECT** helps to achieve a decreased porosity and consequently a decreased seepage, increased freeze resistance, and corrosion resistance, increased physical and mechanical properties (compression, bending tension, abrasion), an improved compactness.

System Parameters

- Layer thickness 4-15 mm in one step (multiple steps possible).
- Walkable after 2-4 hours.
- Full load capacity after 3-7 days.
- Compressive strength 45 MPa.
- BCA abrasion 0.040 mm.
- BCA abrasion resistance 0.02-0.05 mm.
- 25 kg package.



Fortecoat 1420

Treatment, impregnating, and curing coating for self-levelling floors.

Fornivel 1130

Cement-based self-levelling screed.

Fortecoat 1410

Primer coating.

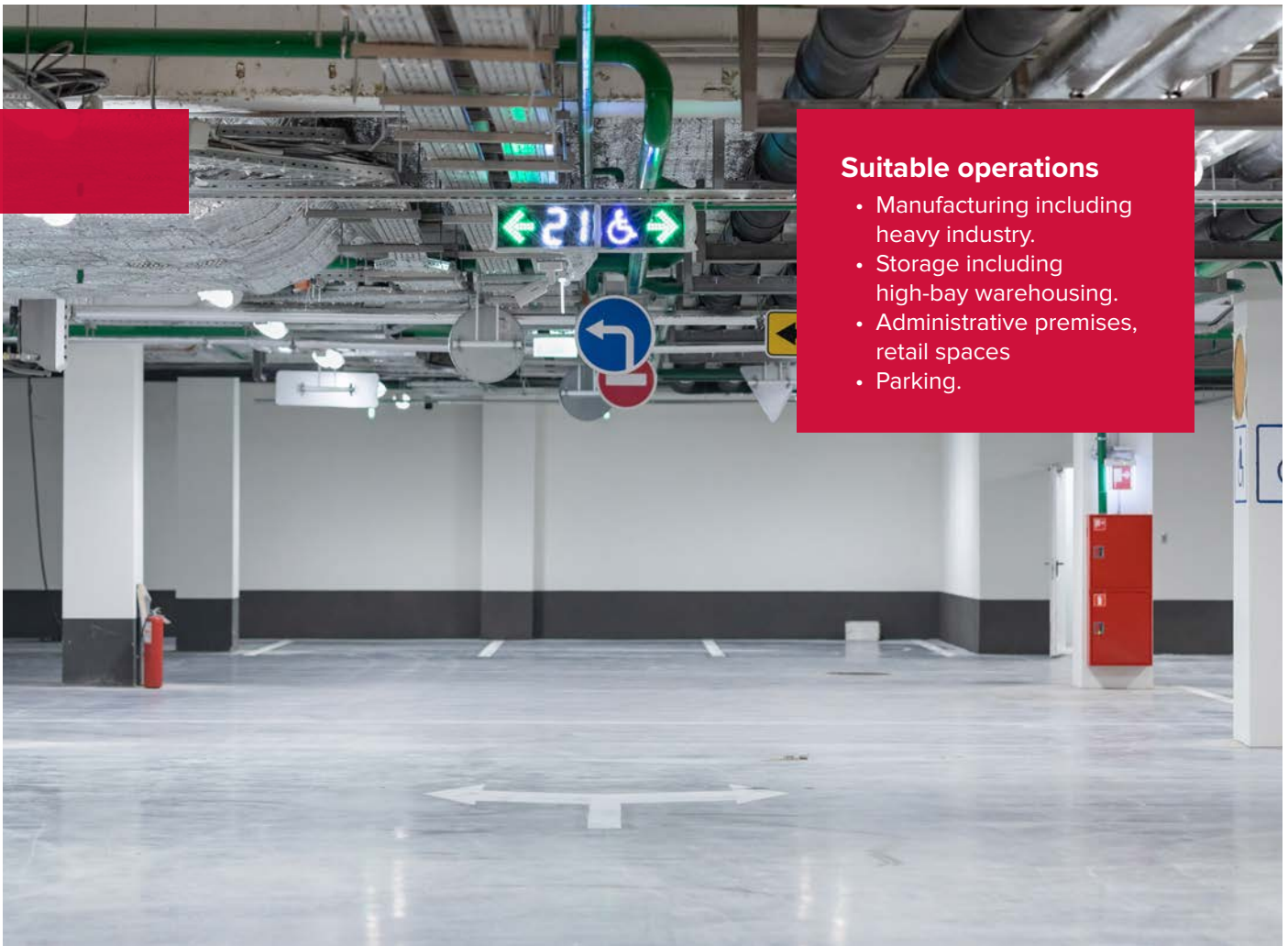
Concrete base



Advantages

- Extra-long lifetime of the floor in comparison with the conventional concrete*.
- High operational load resistance*.
- No dust formation and surface slip resistance*.
- Simple and fast laying.
- High fluidity.
- High adhesion to the concrete underlayer.
- Fast hardening.
- High compatibility with the Fortecoat coating substances.

* if used as a final layer



Suitable operations

- Manufacturing including heavy industry.
- Storage including high-bay warehousing.
- Administrative premises, retail spaces
- Parking.

Synergistic effect

Fortecoat 1410 is a specially designed base coat that perfectly prepares the substrate before the application of the dry component of the system.

Fortecoat 1420 and 1421 are specially designed coatings, whose complete compatibility with other components allows them to create a perfect uniformity manifested in a better cured floor layer and sealing it against oil and water.

Technical parameters

Product type	Fornivel 1110	Fornivel 1111 CS	Fornivel 1120	Fornivel 1121 CS	Fornivel 1130	Fornivel 1131 CS
Intended use	Underlayer for light load		Underlayer and finish layer for medium load		Finish layer for heavy load	
Reinforcement	–	Zirconic fibers	–	Zirconic fibers	–	Zirconic fibers
BCA abrasion resistance (mm)	–		0.050		0.040	
Böhm resistance (cm ³ /50 cm ²)	–		max. 5.5		max. 4.5	
Compression strength after 28 days (MPa)	> 25		> 35		> 45	
Bending tensile strength after 28 days (MPa)	> 6		> 7		> 8	
Layer thickness (mm)	1-10		4-15		4-15	
Consumption (kg/mm/m ²)	1.5		1.7		1.7	
Mixing water (l/25 kg)	6.0-6.5		4.75-5.25		4.75-5.25	
Workability at 20 °C (min.)	20		15		15	
Preparedness for foot traffic at 20 °C (hours)			2-4			
Full load (days)	1		7		7	
Spreading test – ring Ø 45 mm x ↓ 96 mm (cm)	26-28		23-25		23-25	

Levelling flowable quick screed for cement base for thicknesses 10–50 mm with additives ASA and CRYX.

System characteristics

The levelling flowable quick screed **Forcem** is intended for the preparation of a levelling layer of concrete floors, where excellent flatness and adhesion to the base concrete is required. **Forcem** can be applied to seasoned bases, and because of the rapid loss of moisture and compatibility of composition, final layers can be applied on it with minimal technological breaks.

Special features of the product

The dry mixture directly contains the special additive **ASA** (Anti-Shrinkage Agent), which significantly reduces the formation of hairline fractures on the surface of the resultant floor, which improves the mechanical properties of the material. In addition, it makes laying less difficult.

The additive **CRYX** creates a so-called crystallization effect, which bonds the mixing water into the crystal structure of the material being formed, which prevents it leaking into space, reduces the setting time and significantly reduces the formation of microcracks.

Thanks to the **SILICA EFFECT**, through the use of very fine round particles in the dry element a lower porosity is achieved and thus lower absorbability, greater frost resistance and corrosion resistance, also an increase in physical-mechanical properties (in compression, flexural tensile strength and abrasion resistance) and greater compactness.

CRACK STOP treatment. The product contains highly resistant zirconic fibers ensuring three-dimensional (omnidirectional) reinforcement of the material during its maturing and subsequently helps improve resilience to high local burden.



Advantages of product

- High fluidity, attainment of excellent flatness in thickness 10-50 mm.
- High level of adhesion to base concrete.
- High level of productivity and simplicity of laying.
- Rapid loss of moisture, minimal volume changes, minimal technological breaks.



Technical parameters

Product type	Forcem 1310	Forcem 1311
Reinforcement	–	zirconic fibers (Crack Stop)
Compression strength after 28 days (MPa)		min. 35
Flexural tensile strength after 28 days (MPa)		min. 7
Amount of mixing water for 25 kg (l)		3.5-4
Thickness of layer (mm)		10-50
Consumption with thickness of 1 mm (kg/m ²)		1.8
Workability of mixture at 20 °C (min.)		min. 30
Possible to walk on at 20 °C (hrs.)		after 2-4
Full load/application of further layer at 20 °C (day)		after 7
Color		light grey

Highly fluid filler on cement base with additive ASA

System characteristics

The fluid injection compound **Fortegrout 1205** is intended for grouting concrete slabs and filling in cavities and voids. High-fluid **Fortegrout 1210, 1220** fillers are intended for 'filling in holes', grouting technological units and anchoring elements into concrete units where a high level of adhesion to the base concrete is required. **Fortegrout** can be applied to seasoned bases, and because of the rapid development of strength, it is possible to use it for work requiring minimal technological breaks.

Special features of the product

The **ASA** additive chemically modifies the course of the hydration reaction and compensates for the shrinkage of the concrete mix during setting and hardening time. The use of these additives provides a higher volume stability, which fills in and fixates the space securely. A better shrinkage curve is achieved this way over a longer time span.

Thanks to the **SILICA EFFECT**, the use of very fine spherical particles in the dry component of the system helps to achieve a lower porosity and consequently lower seepage, increases frost and corrosion resistance, further increases the physical and mechanical properties (compressive and flexural strength and abrasion resistance) and provides higher compactness.



Advantages of the product

- High productivity and ease of application.
- High flow rate, achieving above-standard flow.
- Good adhesion to base concrete.
- Rapid-hardening with a very strong final firmness.
- Fills in all seal-tight areas.
- Does not contain substances that cause the concrete to corrode.
- Resistant to chemical affects.



Technical parameters

Type of product	Fortegrout 1205	Fortegrout 1210	Fortegrout 1220
Compression strength after 1 day (MPa)		25	
Compression strength after 28 days (MPa)	70	60	65
Flexural tensile strength after 1 day (MPa)	5	3	3
Flexural tensile strength after 28 days (MPa)		8	
Dosage of product for thickness 1 mm (kg/m ²)	1.7	1.8	1.8
Water consumption (l/25 kg)	6-8,5	3-4	3-4
Thickness of layer (mm)	0,5-50	10-100	100-200
Slump test (ring supplied by manufacturer) (mm)	–	195-205	195-205
Workability of mixture at 20°C (min)		min. 30	
Possible to walk on (hrs.)	after 24	after 24	after 24
Full load (day)		after 7	
Color		light grey	

Patent-protected system of chemical curing* and aesthetical improvement of concrete surfaces.

System characteristics

FormulaForte system is the world's unique combination of preparations applied on concrete surfaces. These preparations penetrate deeply into concrete and ensure that the floor cures due to the chemical transformation of soft particles to highly resistant compounds; in addition, they ensure the long-term and permanent enhancement of the compactness and hydrophobicity of the surface by filling open pores with C-H-S gel. And finally, they provide for improved aesthetical properties due to increased floor surface gloss. Surfaces with integrated polymer silicates in phase of smoothing inhibit defects formed due to spraying the surface with water and increase the physico-mechanical parameters of the upper layers of the floor.

The treated surfaces resist surface abrasion have reduced dust and absorption capacity, and are easier to clean. **FormulaForte** system can be used with or without mechanical surface treatments such as grinding, shot blasting, etc. Due to repeated maintenance using cleaning machines, a smooth, reinforcing film is created on the substrate surface, which increases the aesthetical value of the floor. The preparation can be applied to stabilize impaired concrete surfaces.

*Chemical curing

The process of chemical curing **includes two** concurrent **processes, i.e.** –

- 1) **transformation** of the liquid phase of the active component to **rigid silicate C-S-H** gel in the pores of the treated material accelerated by an organometallic catalyst.
- 2) **transformation** of particles with a low hardness to **particles with a considerably higher hardness.**

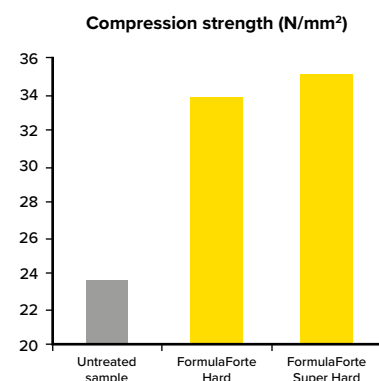
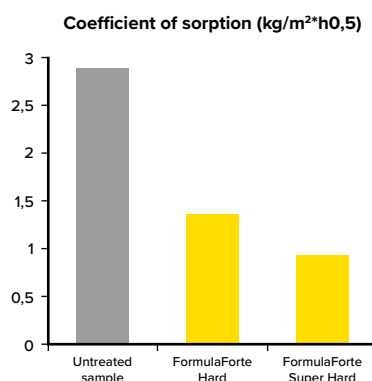
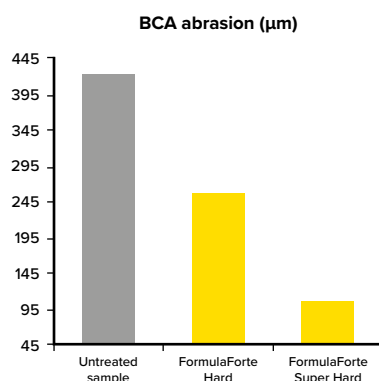
System Parameters

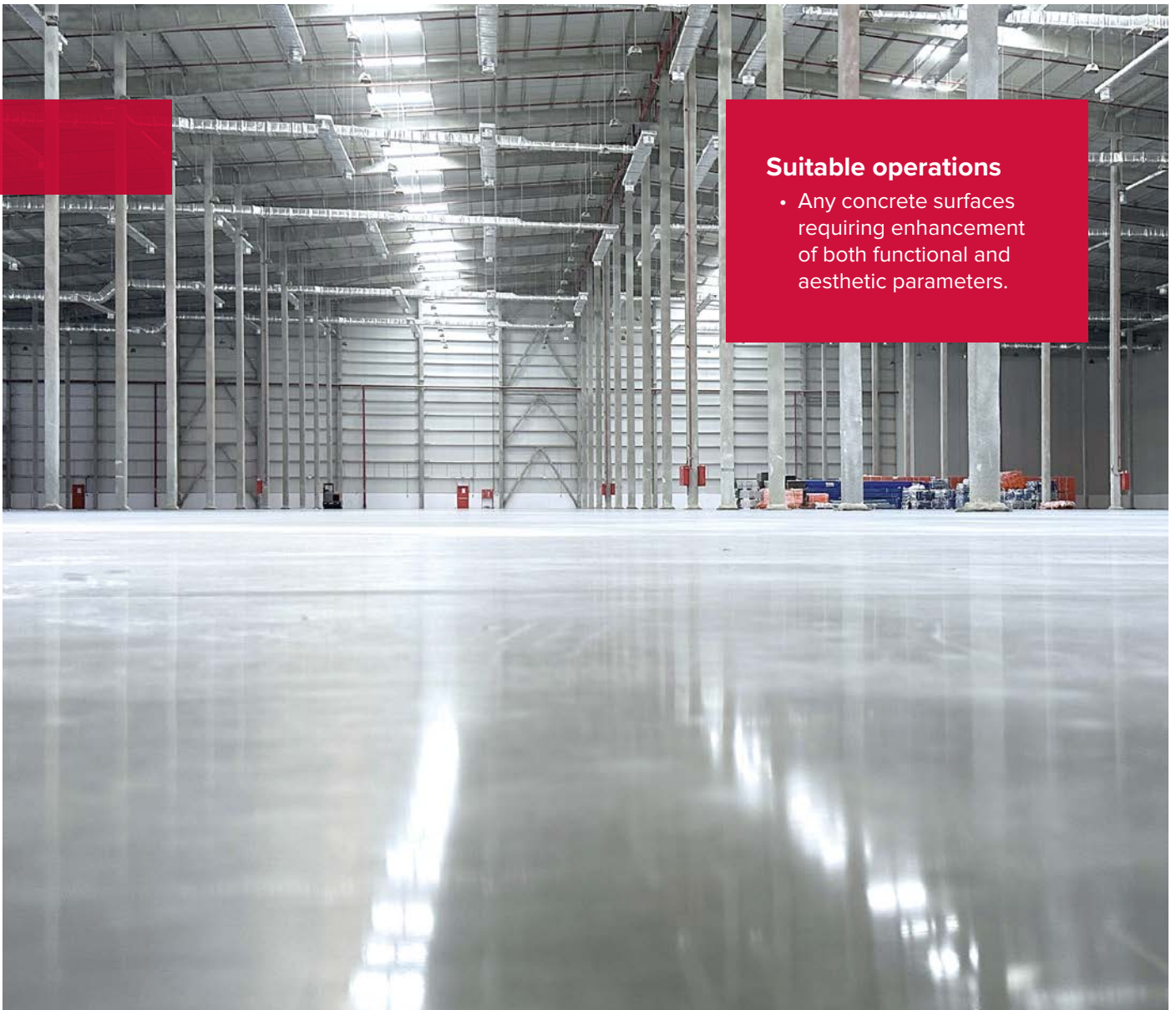
- Penetration up to 12 mm in depth.
- Walkable after 1-2 hours.
- Full load capacity after 7 days.
- Abrasion resistance increased by up to 56 %.
- Compressive strength increased by up to 49 %.
- Hydrophobicity increased by up to 68 %.



Function and system advantages:

- Curing and enhancing the abrasion resistance.
- Considerable reduction of dustiness.
- Long-term crystallization.
- Deep penetration.
- Minimized down times.
- Durability.
- Chemical curing*.
- Technology of pure silicates.
- Enhanced resistance to stains.
- Reduced tire marks.





Suitable operations

- Any concrete surfaces requiring enhancement of both functional and aesthetic parameters.

Technical parameters

Product FormulaForte	FormulaForte 1605 Integral	FormulaForte 1610 Hard	FormulaForte 1620 SuperHard	FormulaForte 1630 Shine
Delivered state	liquid			
Abrasion resistance	enhancement by up to 32 %	enhancement by up to 39 %	enhancement by up to 75 %	–
Compression strength	enhancement by up to 21 %	enhancement by up to 42 %	enhancement by up to 49 %	–
Depth of water ingress	reduction by up to 33 %	reduction by up to 53 %	reduction by up to 68 %	–
Resistance to water and chemical defrosting agents				
Treated surface (g)	waste, max. 250	waste, max. 250	waste, max. 250	–
Untreated surface (g)	waste, max. 1,300	waste, max. 1,300	waste, max. 1,300	
Depth of ingress (mm)	up to 2	up to 12	up to 12	1-2
Drying time 20 °C (h)	0,2-0,5	2-6	1-3	2-4
Density (kg/m³)	1,050			
Consumption (l/m²)	0.05-0.40	0.05-0.25	0.05-0.25	0.05-0.25

Temporary treatment coating for fresh concrete and dry mixes

System characteristics

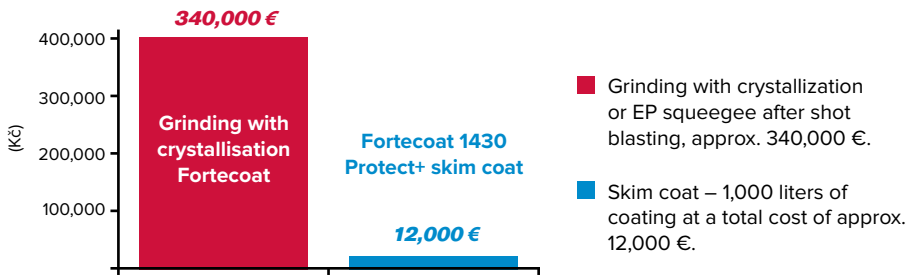
Fortecoat 1430 Protect+ is a temporary treatment, sealant, impregnation and curing solution used as a final coating on concrete floors treated with machine-smoothed dry mixes or screed technology. Application of the coating reduces water loss, which improves curing conditions to ensure higher strength values for load-bearing concrete slabs and their surface layer. It also seals pores, reducing surface absorption. Floor systems treated in this way produce less dust, have increased mechanical and chemical resilience, and are easier to maintain.

Fortecoat 1430 Protect+ was developed as a special temporary treatment that washing, cleaning, and daily use would gradually remove from the surface of machine-smoothed floors. **Fortecoat 1430 Protect+ forms a film that significantly reduces stubborn soiling of the floor surface by trolley wheels.**



Rehabilitation of the floor

Comparison of the cost of a 10,000 m² floor treatment



Benefits Fortecoat 1430 Protect+

- Significantly reduces soiling of the floor surface by trolley wheels.
- Temporary surface coating film is easily removed by washing, cleaning, daily use.
- Increases hardness of concrete surface.
- Can be applied the same day concrete is poured.
- Simultaneously treats concrete and forms a final layer.
- Optimizes the concrete hydration process.
- Seals and impregnates the surface.
- Increases strength qualities.
- Reduces dust formation and increases abrasion resistance.



Protective “dirt-attracting” coating



Fortecoat 1430 Protect+



Technical parameters

Product name	1430 Protect+
Chemical base	Thinners
State	Liquid
Color	clear
Density (kg/l)	0.90-0.95
Consumption (l/m ²)	0.10-0.15
Relative air humidity during application	Max. relative air humidity of 80 %
Air temperature during application (°C)	5-35
Curing time	Max. 24 hours at +20 °C

Fortemix **Fortecoat 1425, 1426, 1427**

Hardening, sealing and curing acrylic agent for concrete surfaces

System characteristics

Fortecoat 1425, 1426, 1427 is a clear acrylic resin solution, which hardens, seals and cures concrete surface. It is used as last technological operation after concreting, typically as a final coating of armored concrete floors after their final power trowelling. The application on freshly laid concrete seals the surface and protects it from rapid water loss. On existing concrete **Fortecoat 1425, 1426, 1427** brings additional surface hardening. Consequently, pores are closing which reduces absorbability of surface. This way treated surfaces are dust free and increasing mechanical and chemical resistance and simplify maintenance.

Advantages

- Same day application when concrete placed.
- Simultaneous concrete curing and final layer creation.
- Hydration process optimization.
- Reduction of substrate absorption, enhancement of oil and oil products resistance.
- Additional concrete hardening.
- Improved abrasion resistance, dust prevention.



Technical parameters

Product type	Fortecoat 1425	Fortecoat 1426	Fortecoat 1427
Base	solvent	water	dearomatized solvents
Supply		liquid	
Color	clear (bernstein)	milky	clear (bernstein)
Density (kg/l)	0.90-0.95	1.05	0.90-0.95
Consumption (l/m ²)		0.10-0.15	

Dispersion Acrylic Primer for Screeds and Self-levelling Screeds

System characteristics

Dispersion acrylic water-base concentrated solution. It is supplied in plastic containers and diluted to the required concentration on site. It contains additives that ensure good adhesion of the primer to the substrate and also the adhesion of the layer applied to the substrate. The coating penetrates into the substrate and reduces its absorption, while strengthening it and ensuring its hydrophobicity. At the same time, it forms a smooth, hardening film on the substrate surface, which prevents air from penetrating the substrate and increases adhesion. The coating is also applicable for stabilization and renovation of disturbed concrete surfaces.



Advantages

- Easy workability.
- Low economic demands of the coating.
- Good penetration and stabilizing properties.
- Low viscosity solution of the final product.
- Good mechanical properties.
- Stable in freeze/thaw cycles.
- Penetrating product with many years of proven use.

Technical parameters

Underlayer type	Dilution ratio Fortecoat 1410: water
Concrete	1:3
Dry porous surfaces	1st coat 1:5
	2nd coat 1:3

Colorless Final Coating

System characteristics

Fortecoat 1420 is a water-based treatment, impregnation and hardening solution used for the top coat on a self-levelling Fornivel floor.

Fortecoat 1420 has been specially developed for the shiny, colorless merging of concrete floor surfaces in production or stores operations. The application of the solution prevents the loss of mixing water, which improves the hardening conditions ensuring greater strength values of the load-bearing concrete slab and its surface layer. It also forms a smooth firming film on the surface of the base and the pores are sealed, which significantly reduces the absorbability of the surface. Floor systems treated in this way reduce dust levels, increase mechanical and chemical resistance, and make maintenance easier.



Advantages

- Easy to work.
- Low price of coat.
- Concurrent treatment of surface and creation of final layer.
- Possibility of application 24 hours after laying self-levelling floor.
- Increased abrasion resistance.
- Sealing and impregnation of surface.
- Reduction in dust and increase in resistance to mechanical and chemical burden.

Technical parameters

Chemical base	Liquid
Drying time at 20 °C (hrs.)	2-4
Density (kg/m ³)	1 050
Consumption (l/m ²)	0.15-0.25



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