



FLOORHARD[®]
INDUSTRIAL FLOORING SYSTEM





WE ARE HERE



MANUFACTURER AND INSTALLER

FLOORHARD® is a brand that, since its creation, has maintained a close collaboration in technological matters with the main multinationals in the sector.

We manufacture and install a complete line of industry-leading floor covering systems for their high chemical, mechanical and thermal resistance. Our FLOORHARD® range includes products in high quality and easy to install methacrylate, epoxy, polyurethane and acrylic resins.

They can be used to repair damaged floors as well as to protect new ones. For more than 50 years, the manufacturers we work with are always developing new solutions to industry problems, always with products of the same consistency and high quality.

INVESTIGATION

In the technological environment and the continuous development of industrial coatings, FLOORHARD® together with its subsidiaries, constantly uses methods to evolve new raw materials, as well as existing products, in order to ensure that its products are of the highest quality and have the best quality / price ratio.

QUALITY ASSURED

To guarantee the highest quality, at FLOORHARD we® strictly control all stages of production, from the receipt of raw materials to the manufacture of the system and its application.

TECHNICAL SERVICE

Our application teams are carefully selected and prepared, together with a highly qualified sales department and technical department, who work closely with the customer, providing the solutions best suited to their needs and also offering them an effective after-sales service.



FLOOR COVERING SYSTEMS

SISTEMAS ACRYFLOOR

METHACRYLATE RESIN

SISTEMAS EPOFLOOR

EPOXY RESIN

SISTEMAS POLYFLOOR

POLYURETHANE RESIN

SISTEMAS PROTECFLOOR

ACRYLIC RESINS



FLOORHARD
INDUSTRIAL FLOORING SYSTEM

**COVERING
SYSTEMS**

ACRYLFLOOR

ACRYFLOOR SYSTEMS

MAIN ADVANTAGES



Quick cure



Use 3 hours after work is completed;



Application at negative temperatures ;



Easy cleaning and maintenance;



Main sector, Food industry



Custom finish

ACRYFLOOR floor covering systems were developed in response to requests and problems that different industries identified when investing in floors, their main function is to respond to requests whose execution time (stop) is minimal, and the execution of works with negative temperatures always guaranteeing a good performance of the coating. These systems are developed based on methacrylate resins, reactive resins with very fast curing, allowing a normal functioning of the space 3 hours after the completed works

SYSTEMS

ACRYFLOOR INDUSTRY

ACRYFLOOR MEMBRANE

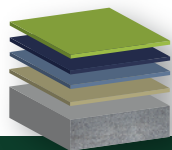
ACRYFLOOR CARBO

ACRYFLOOR SL
TOPCOAT

ACRYFLOOR DESIGN



ESTRUTURAS E APLICAÇÕES



DEPTH: 3/4 MM

**FLOORHARD®
ACRYFLOOR INDUSTRY**
MMA MULTI-LAYER, ANTI-SLIP, COLOR QUARTZ

Non-slip, multilayer coating based on methacrylate resins and colored and calibrated quartz aggregates. Final sealing with transparent methacrylate resin.

2ND MMA WET SEALER

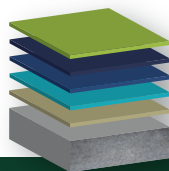
1ST MMA WET SEALER

MMA STD RESIN + QUARTZO COLOR

MMA STD PRIMER + QUARTZO NATURAL

SUPORTE

Suitable for technical areas of restaurants, pastry shops, bakeries, butchers, fishmongers, changing rooms, coffeshops



DEPTH: 4 MM

**FLOORHARD®
ACRYFLOOR MEMBRANE**
MULTICAMADA MMA, ANTIDERRAPANTE, SEMI-FLEXIVEL, QUARTZO COLOR

Non-slip, multilayer, semi-flexible coating based on methacrylate resins and colored and calibrated quartz aggregates. Final sealing with transparent methacrylate resin.

2ND MMA WET SEALER

1ST MMA WET SEALER

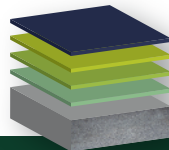
MMA FLEX RESIN + QUARTZO COLOR

MMA FLEX RESIN

MMA STD PRIMER + QUARTZO NATURAL

SUPORTE

Suitable for terraces, cold rooms, restaurants based in, viroc, contrapl. marine or sheet metal, boats



DEPTH: 3/4 MM

**FLOORHARD®
ACRYFLOOR CARBO**
MULTICAMADA MMA, MUITO ANTIDERRAPANTE, NEGRO

Very non-slip coating, multilayer based on methacrylate resins and dispersion of steel filings. Final sealing with transparent methacrylate resin

2ND MMA WET SEALER

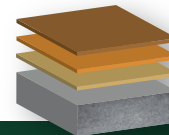
1ST MMA WET SEALER

MMA STD RESIN + CARBURUM

MMA STD PRIMER + QUARTZO NATURAL

SUPORTE

Recommended for access ramps to garages, dairy houses, stair steps



DEPTH: 2 MM

**FLOORHARD®
ACRYFLOOR SL TOP COAT**
AUTONIVELANTE MMA, LISO, MONOCOLOR

Colored, hard, smooth self-leveling coating based on colored methacrylate resins and fine aggregates. Final finish with aliphatic polyurethane paint resistant to UV rays.

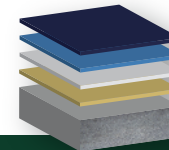
PU TOP COAT

MMA SELF-LEVELING RESIN

MMA STD PRIMER

SUPORTE

Recommended for public areas in pastry shops, restaurants, bars, hotels, offices, bathrooms, houses, warehouses, shops ..



DEPTH: 2/3 MM

**FLOORHARD®
ACRYFLOOR DESIGN FC**
AUTONIVELANTE MMA, COM ASPERSÃO DE FLOCOS COLORIDOS

Self-leveling coating based on methacrylate resin and fine aggregates, with a sprinkling of colored flakes (chips) until saturation. Final sealing with transparent methacrylate resin, semi-smooth texture without shine.

2ND MMA WET SEALER

1ST MMA WET SEALER

MMA COLOR RESIN + CHIPS COLOR

MMA STD PRIMER + QUARTZO NATURAL

SUPORTE

Recommended for public areas in pastry shops, restaurants, bars, hotels, offices, villas, shopping centers



**FLOORING
SYSTEMS**




EPOFLOOR






FLOORHARD
INDUSTRIAL FLOORING SYSTEM

EPOFLOOR SYSTEM

MAIN ADVANTAGES

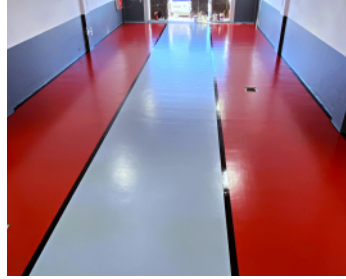
-  Ideal for large areas
-  High mechanical and chemical resistance
-  Application on various supports

-  Easy cleaning and maintenance
-  Main sector, Food industry
-  Custom finish

EPOFLOOR floor covering systems were developed in response to requests and problems that different industries identified when investing in flooring, their main function is to respond to requests when mechanical or chemical resistance is required, and for the execution of larger works always guaranteeing a good performance of the coating. These systems are developed based on epoxy resins, high quality resins, carefully selected for each type of work.

SYSTEMS

- FLOORFAME SG TC
- FLOORFAME SG BC
- FLOORSHIELD BC
- FLOORLUX SL
- FLOORLUX DESIGN
- FLOORPAINT EP



STRUCTURES AND APPLICATIONS

					
DEPTH: 6 A 9 MM	DEPTH: 6 A 9 MM	DEPTH: 3/4 MM	DEPTH: 2/3 MM	DEPTH: 2/3 MM	DEPTH: 800 MICRONS
<p>FLOORHARD® FLOORFRAME SG TC EPOXY MORTAR, LISA, MONOCOLOR</p>	<p>FLOORHARD® FLOORFRAME SG BC EPOXY MORTAR, ANTI-SLIP, COLOR QUARTZ</p>	<p>FLOORHARD® FLOORSHIELD BC EPOXY MULTILAYER, ANTI-SLIP, COLOR QUARTZ</p>	<p>FLOORHARD® FLOORLUX SL EPOXY SELF-LEVELING, SMOOTH, MONOCOLOR</p>	<p>FLOORHARD® FLOORLUX DESIGN EPOXY SELF-LEVELING, DUSTY WITH COLORED FLAKES</p>	<p>FLOORHARD® FLOORPAINT EP EPOXY PAINTING, SMOOTH MONOCOLOR</p>
<p>Smooth, monocolored coating, composed of a thick four-component mortar, based on epoxy resin, hardener, natural quartz and pigment. Final sealing with satin polyurethane paint.</p> <p>PU TOP COAT EP MORTAR (RESINA EPOXY+QUARTZO) EP STD PRIMER + QUARTZO NATURAL SUPORTE</p>	<p>Non-slip coating, composed of a thick four-component mortar, based on epoxy resin, hardener, natural quartz and pigment, with sprinkling of colored and calibrated quartz aggregates. Final sealing with shiny transparent epoxy resin.</p> <p>EP STD SEALER EP STD RESIN + QUARTZO COLOR EP MORTAR (RESINA EPOXY+QUARTZO) EP STD PRIMER + QUARTZO NATURAL SUPORTE</p>	<p>Non-slip, multilayer coating based on epoxy resins and sprinkling of colored and calibrated quartz aggregates. Final sealing with shiny transparent epoxy resin.</p> <p>EP STD SEALER SEALER EP STD RESIN + QUARTZO COLOR EP STD PRIMER + QUARTZO NATURAL SUPORTE</p>	<p>Colored, rigid, smooth self-leveling coating based on colored epoxy resin and fine aggregates. Final finish with aliphatic polyurethane paint resistant to UV rays.</p> <p>PU TOP COAT EP SELF-LEVELING RESIN EP STD PRIMER SUPORTE</p>	<p>Self-leveling coating based on epoxy resin and fine aggregates, with dispersion of colored flakes (chips) sprinkling only the surface. Final sealing with transparent polyurethane varnish, leaving a semi-smooth texture.</p> <p>PU VARNISH EP COLOR + CHIPS COLORSELF-LEVELING EP STD PRIMER SUPORTE</p>	<p>Coating with colored, rigid, and smooth paint based on epoxy resins for dry and medium traffic areas. With the function of protecting the support working as an anti-dust / stain system.</p> <p>2ND EP TOP COAT 1ST EP TOP COAT EP STD PRIMER SUPORTE</p>
<p>Recommended for car parks, workshops, metallurgy, aircraft maintenance hangars</p>	<p>Recommended for car parks, workshops, metallurgy, fish auction, slaughterhouses, logistics vessels</p>	<p>Recommended for slaughterhouses, cellars, oil presses, ind. fish processing, bakeries, cheese shops, prod. food.</p>	<p>Recommended for public areas in pastry shops, restaurants, bars, hotels, offices, nursing homes, hospitals, villas, warehouses</p>	<p>Recommended for public areas in pastry shops, restaurants, bars, hotels, offices, nursing homes, hospitals, villas, shopping centers</p>	<p>Recommended for car parks, warehouses, shops, homes</p>



**COVERING
SYSTEMS**

POLYFLOOR

POLYFLOOR SYSTEM

PRINCIPALES VENTAJAS



High chemical and thermal resistance



Good UV resistance



Application on various supports



Easy cleaning and maintenance



Main sector, Food industry



Custom finish

POLYFLOOR floor covering systems were developed in response to requests and problems that different industries identified when investing in flooring, their main function is to respond to requests where constant chemical and thermal resistance is required, in the case of industrial coating its aesthetics is less valued than its performance. Also highly requested for floor paintings. These systems are developed based on Polyurethane resins, high quality resins, carefully selected for each type of work

SYSTEMS

FLOORFAME UT SL BC

FLOORFAME UT SL

FLOORFAME UT SG BC

FLOORFAME HYBRID

POLYFLOOR SL

FLOORPAINT PU



STRUCTURES AND APPLICATIONS

 <p>ESPESSURA: 3 A 6 MM</p>	 <p>ESPESSURA: 3 A 6 MM</p>	 <p>ESPESSURA: 6 A 9 MM</p>	 <p>ESPESSURA: 4 MM</p>	 <p>ESPESSURA: 2/3 MM</p>	 <p>ESPESSURA: 800 MICRONS</p>
<p>FLOORHARD® FLOORFRAME UT SL BC SELF-LEVELING POLYURETHANE CEMENT MORTAR, ANTI-SLIP, MONOCOLOR</p>	<p>FLOORHARD® FLOORFRAME UT SL SELF-LEVELING MORTAR POLYURETHANE CEMENT, SMOOTH, MONOCOLOR</p>	<p>FLOORHARD® FLOORFRAME UT SG HW POLYURETHANE CEMENT MORTAR, ANTI-SLIP, MONOCOLOR</p>	<p>FLOORHARD® FLOORFRAME HYBRID PUMMA MULTILAYER, ANTI-SLIP, ELASTIC, COLOR QUARTZ</p>	<p>FLOORHARD® POLYFLOOR SL SELF-LEVELING POLYURETHANE</p>	<p>FLOORHARD® FLOORPAINT PU POLYURETHANE PAINTING, SMOOTH, MONOCOLOR</p>
<p>Monocolor non-slip coating, composed of a four-component thick self-leveling mortar, based on cement polyurethane resin and sprinkling of calibrated natural quartz. Monocolor final sealing.</p>	<p>Smooth monocolor coating, composed of a four-component thick self-leveling mortar, based on cement polyurethane resin.</p>	<p>Monocolor non-slip coating, consisting of a thick four-component mortar, based on polyurethane resin and cement. Application with 9mm, excellent resistance to thermal shock up to +120 degrees.</p>	<p>Very flexible non-slip coating, for very low temperature areas (-20°C) based on PUMMA resins (polyurethane and methacrylate) hybrid of last generation with sprinkling of calibrated and colored quartz inerts. Final seal with transparent methacrylate resin.</p>	<p>Smooth, colored and flexible self-leveling coating, based on polyurethane resin and aggregates. Final sealing with two-component, clear matte water-based polyurethane varnish.</p>	<p>Coating with slightly flexible colored paint based on polyurethane resins for dry and medium traffic areas. With the function of protecting the support and anti-dust / stains system.</p>
<p>PU PC SEALER PU PC SELF-LEVELING (POLIURETANO CIMENTO + QUARTZO) SUPORTE</p>	<p>EP SELF-LEVELING RESIN EP STD PRIMER + QUARTZO NATURAL SUPORTE</p>	<p>PU PC MORTAR (POLIURETANO CIMENTO + QUARTZO) EP STD PRIMER + QUARTZO NATURAL SUPORTE</p>	<p>PUMMA STD SEALER PUMMA FLEX RESIN + QUARTZO COLOR PUMMA FLEX RESIN PUMMA STD PRIMER + QUARTZO NATURAL SUPORTE</p>	<p>PU VARNISH WB M PU FLEX SELF-LEVELING COLOR EP STD PRIMER SUPORTE</p>	<p>2ND PU TOPCOAT 1ST PU TOP COAT EP STD PRIMER SUPORTE</p>
<p>Recommended for industrial kitchens, slaughterhouses, cheese shops, where there is constant presence of water or products at very high temperatures in contact with the floor.</p>	<p>Recommended for car parks, fish auction, slaughterhouses, cheese shops, kitchens, logistics vessels, cold rooms where there is a large mechanical demand.</p>	<p>Recommended for industrial kitchens, slaughterhouses, cheese shops, where there is constant presence of water or products at very high temperatures in contact with the floor.</p>	<p>Recommended for tunnels and freezing chambers. Terraces.</p>	<p>Recommended for homes, shops, offices, hotels, public areas in pastry shops, restaurants, cafes, bars.</p>	<p>Recommended for car parks, warehouses, terraces, swimming pools.</p>



FLOORHARD
INDUSTRIAL FLOORING SYSTEM

**COVERING
SYSTEMS**

PROTECFLOOR

PROTECFLOOR SYSTEMS

PRINCIPAIS VANTAGENS



Anti Dust



Anti spots



Good water repellency



Application on various supports



Easy cleaning and maintenance

PROTECFLOOR floor covering systems were developed in response to requests and problems that the various industries identified when investing in floors and walls, their main function is to guarantee basic protection of the concrete, avoiding penetration and stain, of oils and other products related to activity. These systems are developed based on solvent-based acrylic resins.

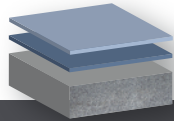
SYSTEMS

PROTECFLOOR

HYDROCONCRETE



STRUCTURES AND APPLICATIONS



DEPTH: N/A

**FLOORHARD®
PROTECFLOOR**
CONCRETE SEALING, SATIN

Acrylic solvent-based, transparent, half-gloss protection for concrete protection, acting as an anti-dust and anti-stain system. Does not create film.

2ND CONCRETE SEALER

1ST CONCRETE SEALER

SUPORTE

Suitable for warehouses, houses, offices, commercial spaces.

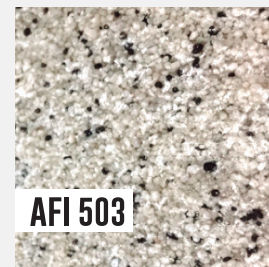
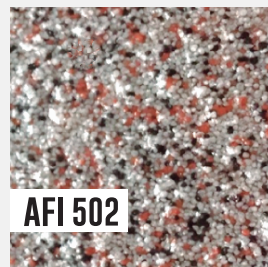
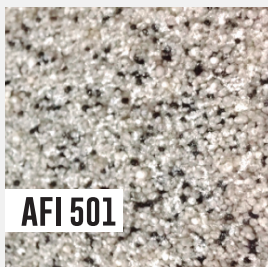
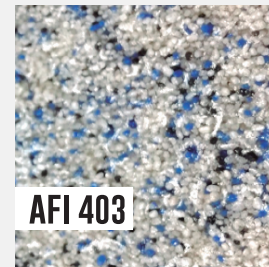
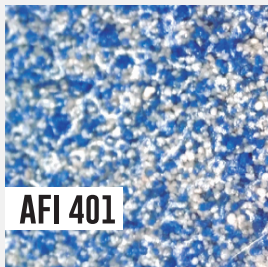
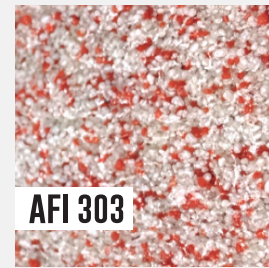
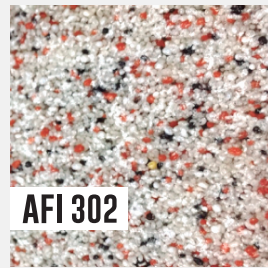
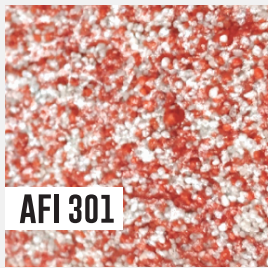
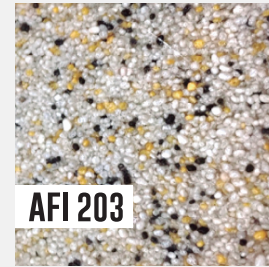
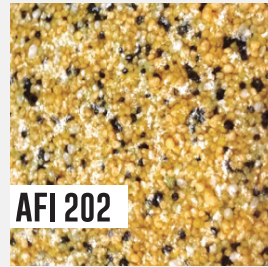
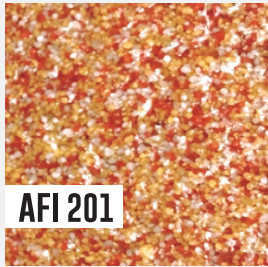
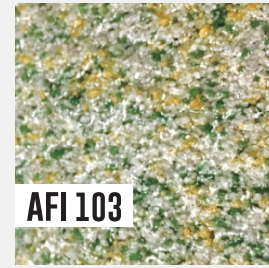
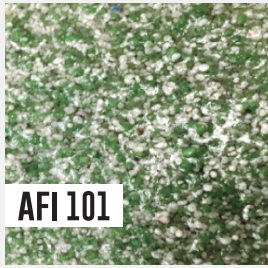
DEPTH: N/A

**FLOORHARD®
HYDROCONCRETE**
HYDROFUGANTE FOR POROUS SUPPORTS

Water-repellent acrylic protection for facades, walls and other porous surfaces. It protects the surface by repelling water, preventing its absorption, which would lead to the appearance of verdigris.

Suitable for facades, walls, or other porous vertical surfaces.

CATALOG OF COLORFUL QUARTZ



FOR SYSTEMS

ACRYFLOOR INDUSTRY

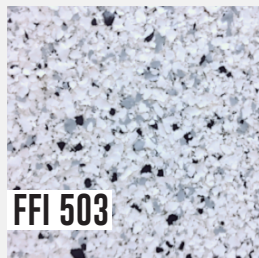
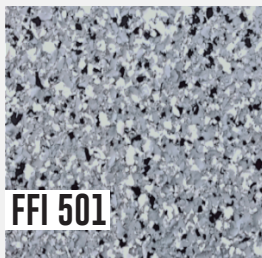
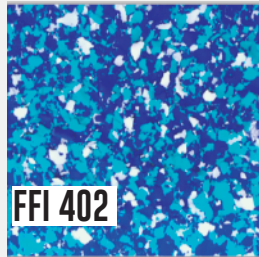
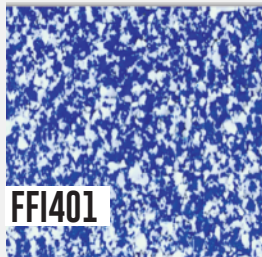
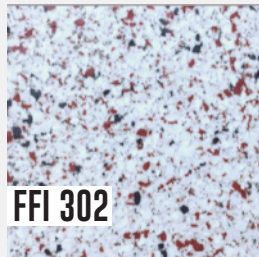
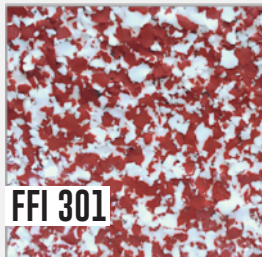
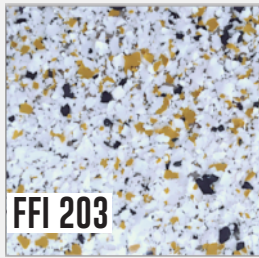
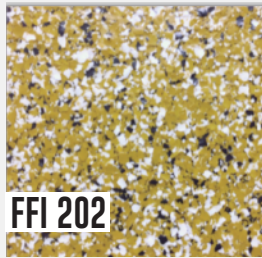
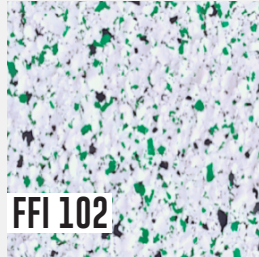
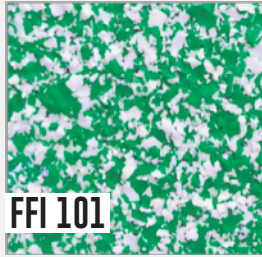
ACRYFLOOR MEMBRANE

FLOORFAME SG BC

FLOORSHIELD BC

FLOORFAME HYBRID

CATALOG OF COLORFUL FLAKES



FOR SYSTEMS
ACRYFLOOR DESIGN
FLOORLUX DESIGN

CATALOG OF RAL COLORS

6021	6018	6002	7046
1002	1015	1023	7040
3000	3005	3009	7016
5002	5022	5023	7015
9005	9010	7001	7011

FOR SYSTEMS

ACRYFLOOR SL
TOPCOAT

FLOORFAME SG TC

FLOORLUX SL

FLOORLUX DESIGN

FLOORPAINT EP

POLYFLOOR SL

FLOORPAINT PU

TECHNICAL RECOMMENDATIONS FOR FLOORHARD SYSTEMS[®]

When choosing a flooring, you must take into account the conditions of your floor, so that it has the appropriate technical characteristics. An important note when choosing the coating system is the quality of the base, this is an unavoidable priority, and the necessary resources must be invested to obtain a support that meets all the minimum necessary requirements. The central point is to achieve a level and homogeneous base that can remove the maximum potential of the chemical and mechanical connection with the coating.

The recommendations presented below are exclusive to the FLOORHARD[®] technical team, which has extensive experience in the applicability of its cladding systems to different types of flooring.

GENERAL RECOMMENDATIONS

- 1.** The bases must be structurally and completely healthy, solid, level, dry, dimensionally stable, clean and free of substances or conditions that may harm the anchoring of the coating system. Examples are surface hardeners, curing agents, greases, dirt and disintegrating coatings. If these substances are present, they must be removed, solvents and acids must not be used.
- 2.** In the case of concrete substrates, they must be dry and fully cured with a minimum age of 28 days, in order to reach the final resistances and the necessary residual moisture levels. The concrete should show a density greater than 2.1 kg / m³, a compressive strength greater than 24.1 MPa (3,500psi) and a tensile strength greater than or equal to 3 N / mm².
- 3.** In the case of the floor slab to be coated, it must be isolated or ventilated inferiorly and be equipped with a vapor barrier (polyethylene sleeve), in order to prevent the rise of moisture by capillarity. It is imperative that the vapor barrier is not punctured or damaged during the slab filling process.
- 4.** The slopes necessary for the perfect drainage of the water must be provided at the base and be carried out prior to the paving work. Self-smoothing coating systems support a maximum slope of 3%.
- 5.** In the case of concrete bases, these must be plowed mechanically in order to obtain a smooth and semi-polished finish. The roughness and texture ideal for the installation of coatings will later be obtained through mechanical abrasion processes and during the preparation of substrates.
- 6.** All areas with disaggregation must be removed and any defects and cavities must be fully exposed. The filling of the treated areas as well as the eventual leveling and leveling of the support must be carried out using FLOORHARD[®] technical mortars. The treatment of any cracks identified in the support must be specified and valued through the respective analysis and technical evaluation by FLOORHARD[®].

CLEANING AND MAINTENANCE RECOMMENDATIONS

FLOORHARD® dedicates a great effort to the development of coating solutions with high durability and reliability. You must take into account so that your coating can maintain the aesthetic and structural characteristics and maximize its useful life, it is very important to ensure its correct cleaning and maintenance.

WHY CLEAN WITH REGULARITY?

The differential of FLOORHARD® coating solutions is that it does not have porosity, which prevents the absorption of dirt and residues. For this reason, continuous coatings based on resins or special cements must be cleaned as often as necessary in order to increase their durability.

CLEANING PRODUCTS

In order to achieve better results when cleaning a FLOORHARD® coating system, we recommend the use of the product JONTEC 300F4a for manual cleaning or with rotating machines. In the cleaning process, you must strictly comply with all recommendations for use and dosage presented on the product packaging and technical data sheet. Proportions of water and product other than those recommended are not permitted.

GENERAL CLEANING GUIDELINES

The definition of a cleaning procedure for your FLOORHARD® coating must take into account the following generic steps:

1. Using a mop or vacuum cleaner, clean the most frequently used areas daily and at least once every week, the least used areas. All dirt and particles must be removed. Pay particular attention to accidental spillage of chemical substances, they must be removed immediately.
2. Wash your coating using a detergent at least once a week. Areas with greater intensity of use may require more frequent washing. In order to obtain the best results we recommend using the JONTEC 300F4a product for manual cleaning or with rotating machines.
3. After applying the cleaning fluids, do not allow them to dry on the surface of the coating, rinse with clean water and then dry. When removing stubborn stains or dirt, allow the detergent to work on the coating surface for longer. Synthetic fiber mops usually produce better cleaning results compared to cotton.
4. As necessary and before starting to use your floor, apply or renew the FLOORHARD® protective and sealing layer appropriate to your covering.

Note that the cleaning procedure summarized above respects the recommendations of the FLOORHARD® Technical team, which has extensive experience in the prevention and applicability of its coating systems in various types of flooring. If you do not have the FLOORHARD® Cleaning and Maintenance Plan specific to your coating system, request it from our Technical Services.