



Green and Sustainable Solution for Industrial
Flooring and Construction Chemicals



- PU Industrial Flooring System
- Epoxy Flooring Systems
- Commercial & Residential Decorative Flooring
- 3D Epoxy Flooring Systems

- Floor Hardener
- Car Parking & Sports Floor
- Waterproofing & Damp Proofing
- Construction Chemicals



FALCON SOLUTION LTD

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Benefits :

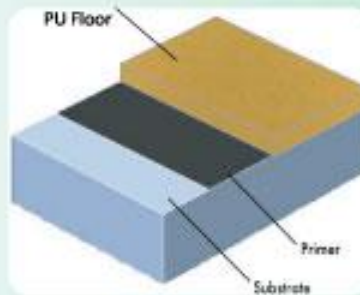
- Solvent Free, Hygienic & Food Grade
- High Temperature Resistant
- Long Lasting & Economical
- Slip Resistant & Easy to Clean
- Antistatic & Anti Corrosive
- Very High Chemical Resistance
- High Abrasion Resistance
- Low odour during application

Uses Area :

- Pharmaceuticals & Hospitals
- Food Processing & Beverage
- Any kinds of Heavy Load area
- Textile and Garments
- Any Kinds of Warehouse
- Spinning Mills

Polyurethane Industrial Floor

PU products have been designed for use in environments where high resistance to abrasion impact and chemical resistance is required. They are also suitable for use in wet process conditions. In addition polyurethane can be used in areas subjected to thermal shock. Typical areas of use include food processing areas, drink and beverage production areas, dairy processing and pharmaceutical, Textile & Garments. They provide a quality, cost effective alternative to tiling systems.



Falcon Solution have High skill and trained application team and Civil engineers for projects super-visor. We are working with PU Flooring from 2014 to till, almost maximum multinational and top national company already our regular client. We are regular trained our application team for excellence. Our product average thickness 3-6 mm and various for customized floors as per client requirement.



Textile/Garments



Application on floor



Warehouse PU Floor



PU Flooring for Car Paking

PU car park protection systems have been designed to meet contemporary requirements for upmarket car park environments, helping to enhance visual appearance, reduce noise from tyre squeal and prevent water ingress into the concrete structure. In addition, PU has a highly accredited fire rating and is available in a wide-range of attractive colours and finishes - with the option to create bright demarcation lines and signage, which help to regulate traffic movement and leave a welcoming impression on vehicle/parking users.



PU Floor Color Chart



Light Grey



Steel Grey



Dark Green



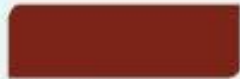
Light Blue



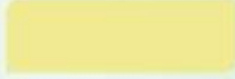
Light Green



Dark Blue



Brick Red

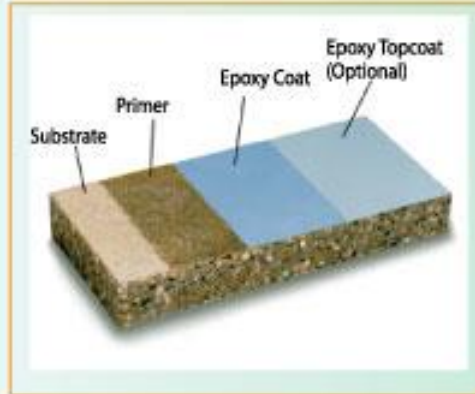


Cream



Epoxy Flooring System

Epoxy is a term that's come to represent a class of materials and the act of using those materials. Epoxy "systems" are based on a combination of resins and hardeners. When mixed together, the resin and hardener chemically react to form a rigid plastic material. The final material is strong, durable, resistant, and bonds extremely well to most base layers. Epoxy floors are so strong that they're often used in heavy traffic areas such as industrial environments, hospitals, or sports facilities.



Benefits:

- Low odour during application
- Smooth & Anti-Slip Surface
- Seamless & High Gloss
- Light Chemicals Resistant
- Hard wearing & Long lasting
- Hygienic & Imperable
- Non-Tainting
- Durable, Tough & Impervious
- Attractive Orange Finish
- Increased Abrasion resistant



Uses Area :

- Pharmaceuticals & Hospitals
- Light Load Areas
- Residential Areas
- Commercial Areas
- Schools & Offices
- Laboratories
- Dry Process Area
- Packing/ Bottling Area
- Service Floors
- Storage Area



Store & Showroom



Garage Parking



Machine Area



Pharmaceuticals



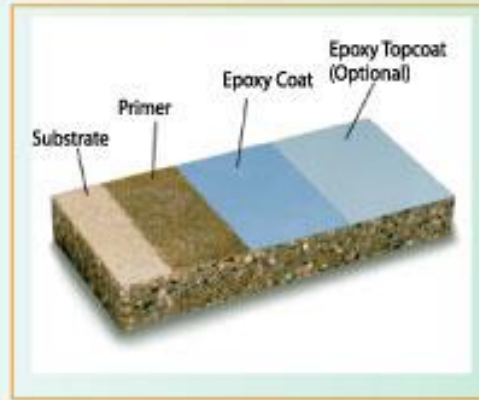
Industrial Light Area



Residential Area

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Machine Area



Pharmaceuticals



Industrial Light Area



Residential Area

Commercial & Residential Decorative Flooring

Decorative Concrete Floors has been extremely innovative when it comes to decorative concrete and flooring solutions. We are one of the best in epoxy flooring, epoxy resin flooring or decorative epoxy floors. The combination of our experience and expertise helps us to stand out from our competitors when it comes to decorative epoxy floors for residential, commercial or industrial purpose. We have handled projects ranging from small-scale to large commercial projects with specialization teams for concrete polishing, grinding, cleaning, coating and sealing.



Product Benefits:



Attractive:

Decorative Finish to transform dull commercial environments.



Resistant:

Excellent resistance to chemicals, and general wear and tear.



Solvent Free & Low Odour:

Improved air quality during installation and beyond.



Reduces Noise:

Minimises unwanted noise from footsteps in busy commercial spaces.



UV Stable:

100% UV light stable, Prevents from yellowing effect.



Residential Area



Shop & Store



Shopping Mall



Hotel and Restaurant



Parking Area



Office and Meeting Room

3D Epoxy Flooring



3D flooring is a wonderful revival of conventional interior, harmonious combination of new technology and comfort. Dreaming of this type of flooring? now we will help you to apply your 3D floor designs yourself in your home.

Decorative flooring – it's not just a picture, a large-scale art object , which fundamentally changes the idea of what might look like flooring . On the one hand – it's surface, and the other – a whole image, with all shades and textures. Strong and durable coating on which man walks in the room can be a beautiful, creative and unique with the help of epoxy flooring.



The 3D technology is gaining increasing popularity. Epoxy 3D floor has been used more and more in shopping malls, halls, offices, homes and apartments due to its creativity and high performance. This is the latest fad in the fancy floor world.

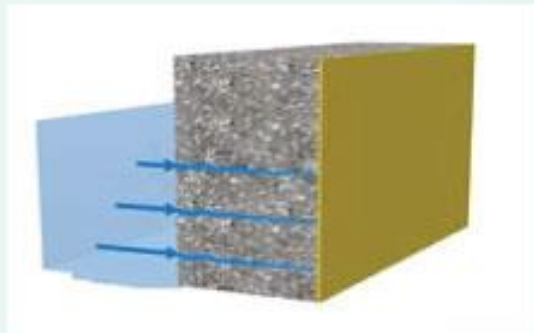
Epoxy 3D floor installation process involves laying down a layer of self-leveling primer followed by the desired image. This is then treated with a transparent two-component epoxy or polyurethane to give the perfect image depth. A level of protective varnish is the final step.



Waterproofing:

Waterproofing is the process of making an object or structure waterproof or water-resistant so that it remains relatively unaffected by water or resisting the ingress of water under specified conditions. Such items may be used in wet environments or under water to specified depths.

Falcon solution deal with waterproofing last 3 years .



Benefits

- ▶ Protection of your surface/ home from the inside out,
- ▶ Preservation of your home's condition and value,
- ▶ Continued comfort and safety for you and your family,
- ▶ Prevention of possible water damage.

There are many below-grade waterproofing products on the market. Most manufacturers require you to become a certified applicator before they will guarantee an installation. If you're just going to do occasional waterproofing, I suggest you choose one product, get certified by the manufacturer, and learn all about that one product. Eventually you'll get good at applying it and be able to work quickly and safely. Different products can have very different characteristics, so only specialty waterproofing contractors should try working with multiple products.

Types

- ▶ Cementitious Waterproofing
- ▶ Liquid Membranes
- ▶ Sheet Membranes
- ▶ Concrete Waterproofing
- ▶ Bentonite Waterproofing



Floor Hardener

Offering floor hardener such as concrete floor hardener, metallic floor hardener, non metallic floor hardener, liquid floor hardener, heavy duty metallic floor hardener, glossy liquid hardener, carborandum based non-metallic floor hardener and industrial floor hardener. LIQUI-HARD concrete densifier and chemical hardener compound is a proprietary, water-based, ready-to-use, clear silicate liquid, formulated with chemically reactive raw materials to harden and dustproof concrete. ... This process produces a substantially denser concrete surface with enhanced durability.

Falcon solution provide all range of modern floor hardener as per customer needed. But we prefer metallic Floor Harder floor sustainable solution. We have our own machine for apply and its help client for thier customized concrete application as per thier in time with proper process. Also we have 10 experienced applicator who apply floor hardener last 15 years here in Bangladesh.



Benefits:

- Increases surface density and durability
- Non metallic - does not rust or stain
- Provides a hard, abrasion resistant surface
- Naturally slip resistant
- Forms monolithic bond with base concrete
- Easy and economical to apply
- Minimizes maintenance costs and labor

Uses Area:

- Interior horizontal concrete surfaces
- Freshly poured or older, cured concrete
- Industrial, Commercial or warehouse floor
- Food preparation, storage and distribution
- Convention centers, Sports facilities
- Freezers, cold rooms, walk-in chillers
- Schools, hospitals, retail outlets
- And others area where needed.

Epoxy Wall Coating

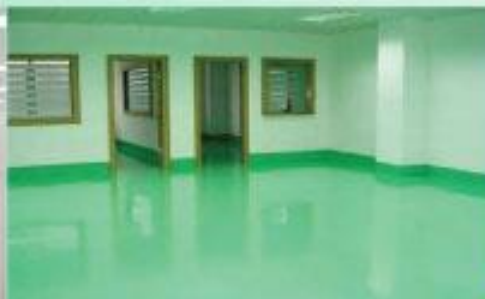
Epoxy coating for walls, is a two component, 100% solids epoxy Hi-Build epoxy wall coating used for high indoor traffic areas where abrasion resistance is required; for protection against mild corrosion; and as a decorative waterproof coating for walls, tanks, etc.

Falcon Epoxy is a high performance, colorfast wall system that provides an attractive, yet tough, abrasion and chemical resistant surface. Applied in multiple layers, this VOC compliant, low odor system results in a jointless "tile-like" finish.



Benefits:

- Moisture Insensitive
- Ceramic like finish
- Thicker Bodied Epoxy
- Solvent Free
- Waterproofing
- Extremely Durable
- Chemical Resistant



Epoxy Garage Floor coating

We will start by ending some confusion about epoxy right now. Paint for garage floors is a latex acrylic product. Some paints will have a small percentage of epoxy added to the mix to make it more durable than standard paint, but it is still paint. These are known as epoxy paints or 1-part epoxy paint. Epoxy is an actual thermosetting resin that is applied as a coating. It is formed when you mix one part epoxide resin with one part polyamine hardener. The hardener acts as a catalyst and is what gives epoxy its strength.





Polyurethane Sports Flooring

Polyurethane sports floorings are well known for their top quality for all kind of different sports in all possible climates all over the globe. The excellent slip and wear resistance make the PU-Sport systems the right choice for many athletes for professional sports as well as for recreational sports. EPI polyurethane sports floorings are well known for their top quality for all kind of different sports in all possible climates all over the globe. The excellent slip and wear resistance make the PU-Sport systems the right choice for many athletes for professional sports as well as for recreational sports



Construction Chemicals

Admixture:

Set retarding concrete admixtures are used to delay the chemical reaction that takes place when the concrete starts the setting process. These types of concrete admixtures are commonly used to reduce the effect of high temperatures that could produce a faster initial setting of concrete. Set retarding admixtures are used in concrete pavement construction, allowing more time for finishing concrete pavements, reducing additional costs to place a new concrete batch plant on the job site and helps eliminate cold joints in concrete. Retarders can also be used to resist cracking due to form deflection that can occur when horizontal slabs are placed in sections. Most retarders also function as water reducers and may entrain some air in concrete.



PU Foam Spray:

SPF or Spray Polyurethane Foam describes a category of high-performance spray foam insulation and air barrier material that delivers multiple benefits in one application. These advantages include high insulation values, near-zero air permeability, increased building strength, severe weather and flood resistance, increased occupant comfort, improved indoor air quality, reduced operating costs, time and lower environmental impacts.





Epoxy Crack Injection

Epoxy crack injection (also referred to as epoxy injection) is an extremely effective and reliable concrete crack repair method, used exclusively for the repair of poured concrete foundation cracks, for the structural repair of same, to fix basement leaks, and to prevent poured concrete foundation cracks from leaking in the future. When used under the right conditions and when done properly by a trained injection technician, an epoxy concrete crack repair does not fail.

Retrofitting

Retrofitting an existing building can oftentimes be more cost-effective than building a new facility. Since buildings consume a significant amount of energy (40 percent of the nation's total U.S. energy consumption), particularly for heating and cooling (32 percent), and because existing buildings comprise the largest segment of the built environment, it is important to initiate energy conservation retrofits to reduce energy consumption and the cost of heating, cooling, and lighting buildings. But conserving energy is not the only reason for retrofitting existing buildings.



Joint Sealant

Our extensive range of joint sealants, provide to the highest quality standards backed our application, have long been respected by clients, designers and contractors providing long term durability to building structures around the world, including many iconic buildings such as the Grand Mosque in Malaysia. Falcon worked alongside the project team to provide a bespoke solution for this project which included a special colour for the joints to the highly expensive detailed marble panels.



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