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Excellence In Quality

FALCON SOLUTION LIMITED

**A green & sustainable solution
for industrial, commercial &
residential flooring
system.**

Epoxy / PU Flooring | Epoxy / PU Car Parking | Epoxy / PU Wall Coating and Paints | Fair Face Plaster
Polished Concrete | Waterproofing | Floor Hardener | Expansion Joint | Vinyl Flooring

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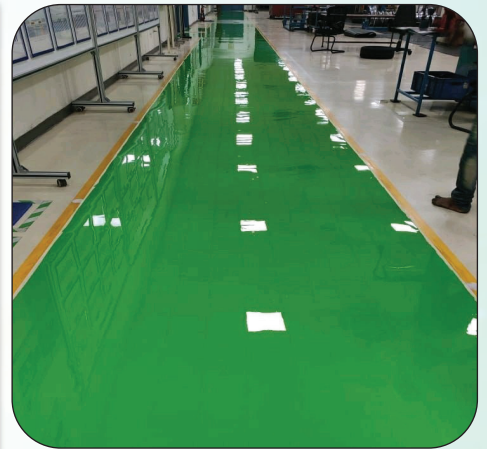
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POLYURETHANE(PU) INDUSTRIAL FLOOR

What Is PU?

Polyurethane flooring also known as PU flooring, 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. It is used in both commercial and domestic environments. Typical areas of use include food processing areas, drink and beverage production areas, dairy processing and pharmaceutical, Textile & Garments They provide a qualitative and cost effective alternative to tiling systems. In general, polyurethane can be used in the temperature range of -62°C to 93°C (-80°F to 200°F). Special formulations can extend polyurethane's performance reach to as high as 150°C (300°F).

Falcon Solution Ltd has High skill and trained application team and Civil Engineers for projects Supervision. We have been working with PU Flooring from 15 years, almost maximum multinational and top national company already our regular client. We have regularly trained our application team for excellence. Our products average thickness 2-6 mm and various for customized floors as per client requirement.



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
- Impact and Pressure Resistant
- Ensures Complete Satisfaction
- Durable, Tough Impervious
- Antistatic Anti-Corrosive



WHY CHOOSE PU FLOORING

PU flooring offers a plethora of benefits that make it an ideal choice for both residential and commercial settings:

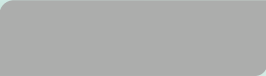
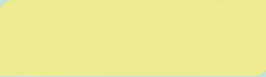
- > Exceptional durability, resisting scratches, stains, and wear
- > Easy maintenance, requiring minimal cleaning effort
- > Versatile design options to suit any style or theme
- > Seamless installation process for a hassle-free experience
- > Long-lasting performance, ensuring your floors stay beautiful for years to come



Uses Area:

- > Hospital & Pharmaceuticals
- > Beverages & Food Processing
- > Engineering & Chemicals
- > Hotel, Kitchen & Cafeteria
- > Garments, Texttile & Spinning
- > Knitting & Dyeing
- > Warehouse & Stores
- > Salt & Acid Areas
- > Any Kinds of Heavy Load Areas
- > Any Kinds of Industries

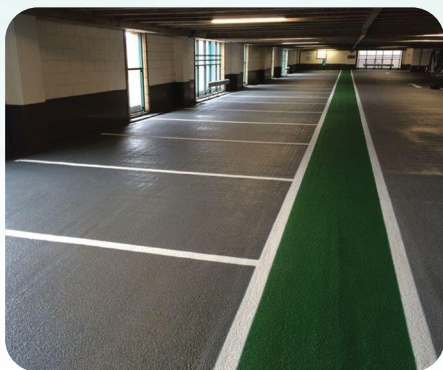
Standard color chart for Pu floor

Grey	Red
	
Light grey	Yellow
	
cream	Green
	



PU FLOORING FOR CAR PARKING

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 rating and is available in a wide-range of attractive colors 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.



Benefits:

- > Durability
- > Chemical Resistance
- > Seamless Surface
- > Noise Reduction
- > Safety
- > Quick Installation
- > Customization Options

Performance:

- > Wear Resistance
- > Seamless Installation
- > Slip Resistance
- > UV Stability
- > Regular Maintenance

Features:

- > Polyurethane Composition
- > Seamless Application
- > Low Maintenance
- > Resistance to Wear and Tear
- > Temperature Tolerance
- > Environmentally Friendly
- > Cost-Effectiveness



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.



Benefits:

- › Shock Absorption
- › Uniform Surface
- › Slip Resistance
- › Durability
- › Easy Maintenance

Performances:

- › Ball Response
- › Energy Return
- › Noise Reduction

Features:

- › Customization Options
- › Seamless Installation
- › Multi-Sport Compatibility
- › Environmental Sustainability

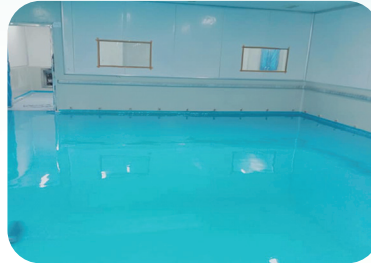


EPOXY FLOORING SOLUTION

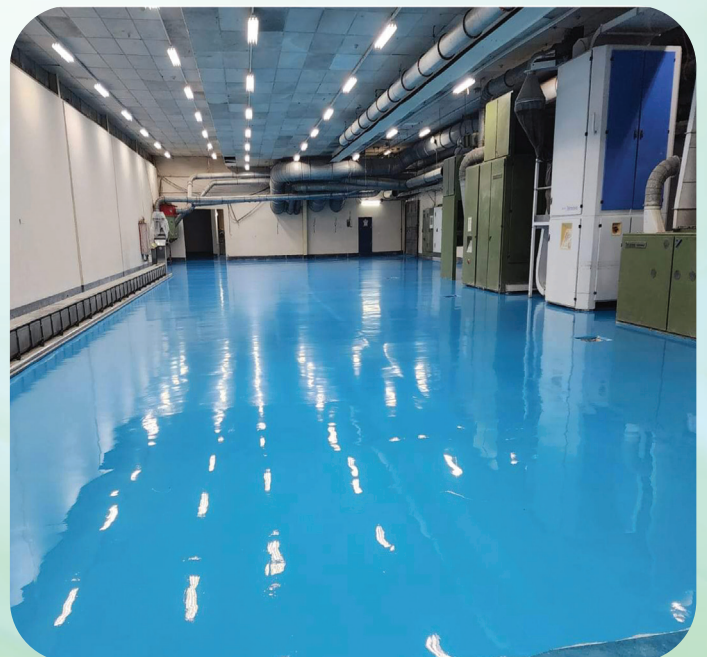
Epoxy is a term that come to represent a class of materials and the act of using those materials. Epoxy flooring is made up of 2 main parts - resin and hardener. When mixed together, the resin and hardener chemically react to form a rigid plastic material. The final material is strong, durable, resistant, 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.

Uses Area:

- > Pharmaceuticals & Hospitals
- > Light Load Areas
- > Residential Areas
- > Commercial Areas
- > Schools & Offices
- > Laboratories
- > Dry Process Area
- > Packing/ Bottling Area
- > Storage Area
- > Any Kinds of Industries



This two or three coat floor coating system provides a cleanable, lowwearing surface. An epoxy primer coat, with optional intermediate high build epoxy coat, and polyurethane top coat available in an attractive high gloss finish. A light glass bead texture provides ease of cleaning, and an anti slip surface. This can serve as cost effective alternative to budget conscious buyers. However, if concrete is in good condition, and heavy impact or heavy traffic is not expected, this system provides everything that you need!



EPOXY FLOORING SOLUTION



Features:

- › Seamless Application
- › Fast Installation
- › Customization Options
- › Slip Resistance
- › UV Resistance
- › Temperature Resistance
- › Hygienic Properties
- › Low VOC Emissions

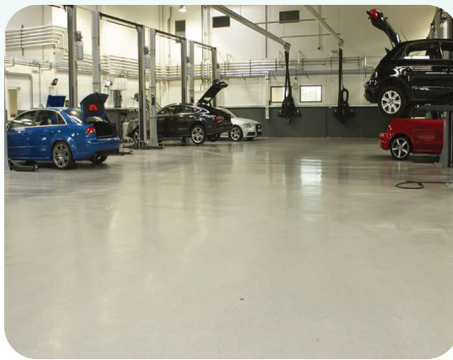
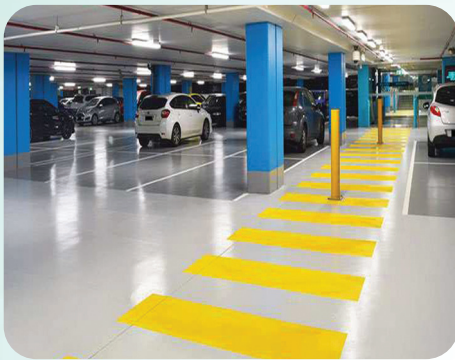
Benefits:

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



EPOXY GARAGE/PARKING 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 one 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. Garage floor paints give your floor a new look while protecting its surface from damages, oil spills, and moisture. Garage floor epoxy coatings, including the colored epoxies clear epoxy resin coating, use a chemical reaction to harden and create a long-lasting and protective finish.



Benefits:

- › Durability
- › Chemical Resistance
- › Aesthetic Appeal
- › Easy Maintenance
- › Enhanced Safety

Performances:

- › Abrasion Resistance
- › Temperature Resistance
- › Impact Resistance
- › Moisture Resistance
- › Long-Term Performance

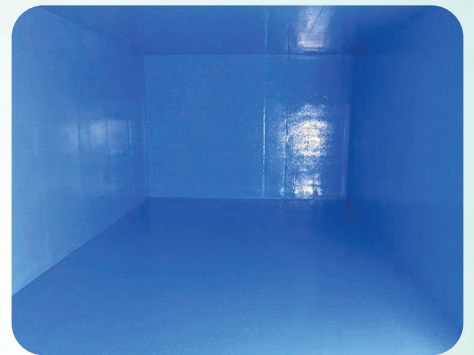
Features:

- › Seamless Application
- › Fast Installation
- › UV Resistance
- › Customizable
- › Longevity



EPOXY WALL COATING AND PAINT

In many industrial, institutional, and commercial settings, maintaining walls can be a costly and involved process. Chipping paint, water damage, chemical exposure, and general wear and tear make upkeep a hassle. Oftentimes, time spent on wall repairs leads to disruptions in work flow and can leave rooms unusable for periods at a time in commercial settings. While most people are aware that epoxy coatings are a great choice for creating durable, low-maintenance flooring, many do not know that epoxy works just as well on walls. 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



Benefits:

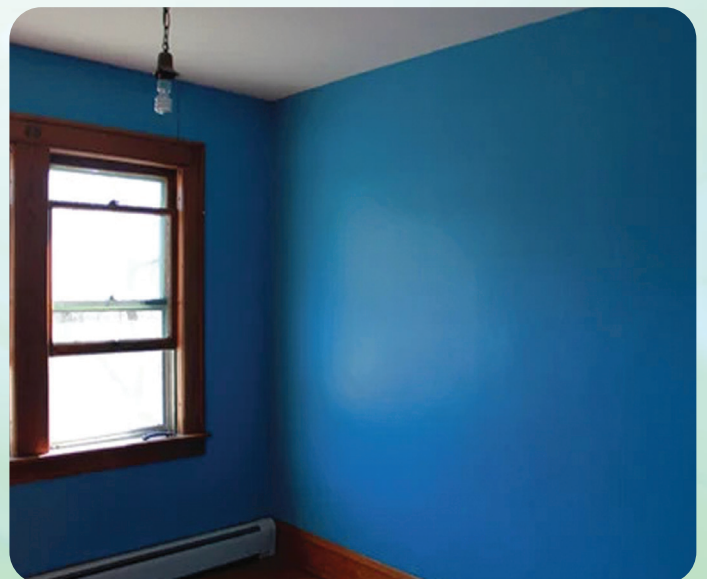
- › Durability
- › Versatility
- › Aesthetic Appeal
- › Easy Maintenance
- › Enhanced Safety
- › Longevity

Performances:

- › Fast Cure Times
- › Seamless Application
- › Chemical Resistance
- › UV Stability
- › Customizable Finishes

Features:

- › High Impact Resistance
- › Abrasion Resistance
- › Temperature Resistance
- › Moisture Resistance
- › Bacterial Resistance



POLISHED CONCRETE

Floor Polishing is a sophisticated method of the present are. Through the method the normal stone floor is transformed into a mirror-like floor with the help of a high technology machine, it is known as floor finishing. This is mainly discovered by America, Japan, Europe, Germany and China Technologies. The word conquers now in Bangladesh. We are the first to bring this technology by Bangladesh. It is a widely known fact that floor polishing is an essential part of any property's overall image. A well-polished floor sends a positive message to all who visit, whilst making a vital contribution to the overall decor and interior design of a property.



POLISHING FLOOR EFFECTIVENESS

Since the polishing is done on the main floor, there is no risk of breaking the floor and cracking. This place has no joints, it is a platform all the space. Polishing floor costs less than tiles and mosaic floor. Polishing floor stability is much higher than other floors. Compared to tiles, mosaics and granite floor, polishing floor is brighter. The ability to carry weight is more due to the use of chemical, concrete up to 7 inches has become more strong bonds. Floor finishing helps reduce that extra weight. Takes less time. Heat and sound repellent. There is damage to the floor to remove the furniture and machines.



POLISHING WHERE TO MAKE FLOOR

Floor Polishing is more applicable to those buildings which are more open than the buildings. Such as: Industrial, Commercial, Residential, Warehouses, Retail locations, Showrooms, Schools, University, Shopping Mall, Hotel & Restaurant, museums, and government buildings. The places in the industrial building that are done are office buildings, Warehouse, Knitting, Dyeing, Cutting, Sewing, Utility, Buildings, Chemicals, Boilers and Restaurants, Resort, Hospitals, Community centers, Residential Buildings and Parking places are located in the Commercial Buildings. Besides Mosaics, Granite and Marble floors used in the past can also be polished like a mirror.

Benefits:

- Environmentally Friendly
- Low Maintenance
- Reflectivity
- Easy Maintenance
- Durability
- Longevity



Features:

- Smooth Surface
- Variety of Finishes
- Aggregate Exposure
- Slip Resistance

Performances:

- Abrasion Resistance
- Chemical Resistance
- Temperature Stability
- Impact Resistance



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, carboarded 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



Uses Area:

- > Interior horizontal concrete surfaces
- > Freshly poured or order, 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
- > Any Kinds of Industries

Benefits:

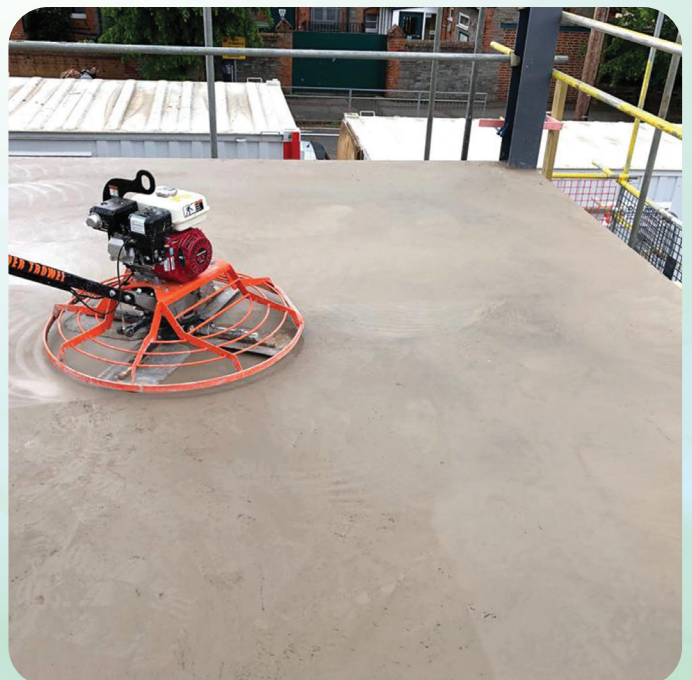
- > Increases surface density and durability
- > Non-metallic does not rust or stain
- > Provides a hard, abrasion resistant surface
- > Naturally slip resistant
- > Forms monolithic bond with base concrete
- > Easy and economical to apply
- > Minimizes maintenance costs and labor



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



All commercial, manufacturing, and warehouse floors require a high quality work surface providing long-term durability, high abrasion resistance, dustproofing, low permeability and safety. In most industrial applications dry shake floors have the best price/performance ratio when compared with alternative concrete treatments or finishes. The main characteristics and benefits provided by dry shake hardeners include: installation time saving, enhanced durability, improved traction safety, aesthetic options, and overall economy. Dry shakes can be produced from one type or combination of aggregates to achieve certain color and performance properties. Several factors such as service condition, durability, aesthetic and cost dictate the decision to choose a type of combination of aggregates for dry shake mixture



FAIR FACE PLASTER

Modern architecture is unimaginable without fair faced concrete. For decades priority was given to the unique load bearing properties and unrivaled cost/performance ratio as a structural building material. It is only in recent years that the marvelous design versatility and the creation of many different finishes have also come to the fore. Fair face plaster is a familiar name in building construction but actually, it's not veneered or plastered. Rather it's the concrete appearance that can make a concrete surface decorative. If you want to meet different aesthetic requirements exactly as you like fair face solution will surely be the wisest option for you. there are lots of services in fair face solution. Like Fair Face Plaster, Skim Coating, Water Repellant Coating.



Benefits:

- Improves adhesion, working time and durability of cement and gypsum-based plaster to the surface such as brute concrete, wall, ceilings.
- Water based, odorless and safely used in interiors.
- Prevents quick water loss of concrete which applied on highly absorbent surfaces.

Types of Fair Face Works:

- Fair Face Plaster.
- Skim Coating.
- Rendering works.



Uses Area:

- Interior areas for horizontal, vertical and ceiling applications.
- Used as primer on ceiling plasters
- Apply to brute concrete before cement and gypsum- based plaster applications
- Used for improving adhesion, working time and workability to plasters
- Any Kinds of Industries



Features:

- High-Quality Materials
- Smooth Application
- Breathability
- Compatibility
- Environmentally Friendly



Performances:

- Structural Integrity
- Weather Resistance
- Crack Resistance
- Ease of Maintenance
- Longevity



WATERPROOFING SOLUTION

Waterproofing is the formation of an impervious barrier over surfaces of foundations, roofs, walls, and other structural members. The function of the impermeable barrier is to prevent water penetrations. The building surfaces are made water-resistant and sometimes waterproof. The utilization of liquid waterproofing membrane, cementitious materials, polyurethane liquid membrane, and bituminous material are common in the waterproofing of buildings.

Uses Area:

- > Basement Waterproofing
- > Swimming Pool Waterproofing
- > Water Tank Waterproofing
- > Podium Waterproofing
- > Terrace Waterproofing
- > Exterior Walls Protection
- > Industrial Flooring Any Kinds of Industries

Benefits:

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

Types of Waterproofing:

- > Acrylic Waterproofing
- > PU Based Waterproofing
- > Cementitious Waterproofing
- > Liquid Membranes Waterproofing
- > Torch-Applied Bituminous Membrane Waterproofing
- > Self-Adhesive Bituminous Membrane Waterproofing
- > Heatproofing & Waterproofing

ACRYLIC WATERPROOFING

Acrylic waterproofing is a protective coating applied to surfaces to prevent water infiltration. Formulated with acrylic polymers, it creates a seamless barrier that effectively seals surfaces, keeping them water-proof and protected against moisture damage.



Features:

- > Acrylic Polymer Base
- > UV Resistance
- > Chemical Resistance
- > Breathable
- > Mildew Resistance
- > Low VOC Formulation

Benefits:

- > Ease of Application
- > Fast Drying
- > Enhanced Appearance
- > Durability
- > Flexibility

WATERPROOFING MEMBRANES

Waterproofing membranes involves the application of thin layers of specialized materials, typically made of bitumen, PVC, EPDM, or similar compounds, to create a waterproof barrier on various surfaces such as roofs, basements, and foundations. These membranes are designed to prevent water infiltration and protect buildings from moisture damage.

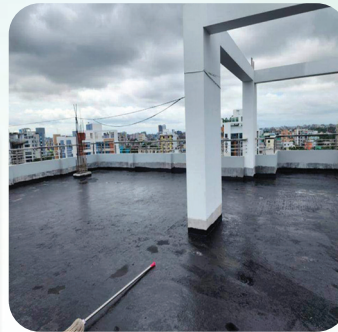


Benefits:

- Long-lasting Durability
- Low Maintenance
- Enhanced Building Lifespan.

Features:

- Material Composition
- Thickness
- Reinforcement
- Adhesive or Heat Weldable



CEMENTITIOUS WATERPROOFING

Cementitious waterproofing is a versatile solution designed to protect structures from water damage. It consists of a cement-based mixture that forms a durable barrier against moisture intrusion.



Benefits:

- Cost-Effective
- Minimal Maintenance
- Enhanced Structural Integrity

Features:

- Composition
- Adhesion
- Customizable
- Ease of Application



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 Ltd deals with waterproofing last 8 years

HEATPROOFING

Heatproofing, also known as thermal insulation, is a method of reducing the transfer of heat between objects or spaces. It's used in various industries and applications, from buildings and vehicles to industrial equipment and even clothing.

Uses Area:

- > Wall Insulation
- > Basement Insulation
- > Roof Insulation
- > Floor Insulation
- > Warehouses and Storage Facilities
- > Restaurants and Food Processing



Installation steps:

- > Surface prepared
- > Cementitious/Membranes layered
- > Polystyrene board/Pu foam spray
- > CC casting/Foam concrete/Light weight concrete
- > Cleanup

Benefits:

- > It Provides thermal insulation
- > Reduces 70%-80% Temperature.
- > Reduces heat movements
- > Reduces vapor condensation
- > Reduce noise pollution
- > Extendend roof lifespan
- > Enhanced fire resistance
- > Increase property value



Area heatproofing is essential for creating comfortable, energy-efficient, and safe environments across residential, commercial, industrial, and specialized applications. Choosing the right heatproofing materials and methods for specific needs can lead to significant benefits in terms of cost savings, comfort, and environmental impact.

ANTI-BACTERIAL VINYL FLOOR

The environmental protection of floor materials is critical to the medical field. In order to truly create a safe and environmentally friendly medical floor, floor materials that meet the medical environment must be used. The biggest advantage of homogeneous flooring is safety, environmental protection, low-carbon ecology, which is very suitable for the use of floors in the medical field. It uses 100% natural raw materials, does not add any recycled materials, and adheres to the concept of safe and healthy production.

HOMOGENEOUS VINYL FOR HOSPITALS & COMMERCIALS



Uses Area:

- > Hospitals
- > Laboratories
- > Offices
- > Airports
- > Libraries
- > Schools

Features:

- > Vinyl Planks or Tiles
- > Wear Layer
- > Backing Layer
- > Installation Options
- > Underlayment Compatibility
- > Schools

Benefits:

- > Waterproof
- > Comfort
- > Backing Layer
- > Affordability
- > Easy Maintenance
- > Versatility



VINYL FOR CORPORATE



WOOD & PVC VINYL FLOORING SYSTEM

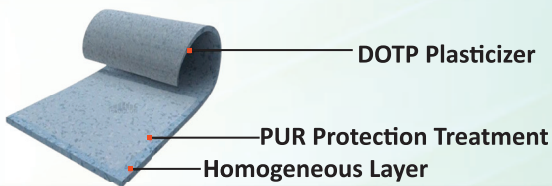
Vinyl flooring is a reasonably new type of flooring method which is primarily used in institutional and commercial applications. It is a type of resilient flooring that uses vinyl instead of plastic, rubber, linoleum, PVC and other types of artificial composite floors.

VINYL FOR RESIDENTIALS



Vinyl floors can be installed in two ways:

- 1) **Vinyl Sheets:** Sheet comes in different measurements of 6 to 12 different widths in prepared rolls or cuts to the required measurements.
- 2) **Vinyl Tiles:** Tiles are available in the dimension of twelve inches to eighteen-inch squares. The tiles that come with self-adhesive are easy to install compared to the other.



- Wear-resistant grade
- Residual sag
- Environment-friendly plasticizer
- Air quality
- Incorporates a bacteriosatic and fungistic property
- Antistatic

VINYL FOR OFFICES



PU FOAM SPRAY

Polyurethane (PU) foam spray is a versatile insulation material commonly used in construction and various other applications. PU foam spray is a type of insulation material that expands upon application, forming a tight seal and filling gaps and voids. It typically comes in two components that are mixed during application, resulting in a chemical reaction that causes the foam to expand and harden.



Uses Area:

- Building Insulation/Industrial profile sheet
- Sealing Cracks and Gaps
- HVAC Duct Insulation
- Pipe Insulation
- DIY Projects
- Water Tank
- Oil Tank

Features:

- Expanding Formula
- Quick Curing
- Adhesive Properties
- Chemical Stability
- Low Shrinkage
- Fire Resistance

Benefits:

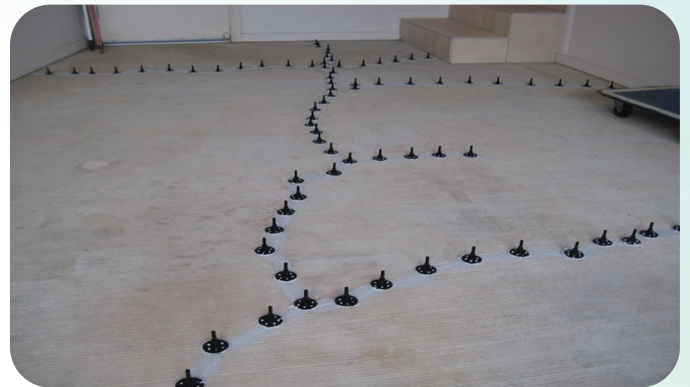
- Excellent Insulation
- Air Sealing
- Water Resistance
- Easy Application
- Sound Dampening
- Versatility



INJECTION GROUTING

Injection grouting is a retrofitting technique of application of new material in cracks/voids/honeycombs in concrete surfaces. The system involves filling cement slurry or waterproofing chemicals for reducing crack, voids, and honeycomb from the concrete. This process is adopted to repair damaged old concrete structural members and strengthen them. Grouting can be done in various methods but the injection method is adopted for accuracy and time saving.

Grout is basically a flowable plastic material that has low shrinkage and is widely used for filling voids or gaps completely and will remain stable without cracking. The selection of the types of grout for the masonry repairing work depends upon the compatibility of the grout with the original material.



Uses Area:

- Foundation Repair
- Tunneling and Mining
- Concrete Repair
- Dam and Reservoir Maintenance
- Structural Strengthening
- Beam/Column/Slab



Benefits:

- Structural Stability
- Waterproofing
- Cost-Effective Repair
- Minimally Invasive
- Versatility

EXPANSION JOINT WORK

An expansion joint or movement joint is an assembly designed to safely absorb the temperature induced expansion and contraction of construction materials, to absorb vibration, to hold parts together, or to allow movement due to ground settlement or earthquakes. They are commonly found between sections of buildings, bridges, sidewalks, railway tracks, piping systems, ships, and other structures. Building faces, concrete slabs, and pipelines expand and contract due to warming and cooling from seasonal variation, or due to other heat sources. Before expansion joint gaps were built into these structures, they would crack under the stress-induced. Falcon Solution Ltd provides best services for expansion joint work in Bangladesh as a best applicator as well as contractor with affordable price.



Uses Area:

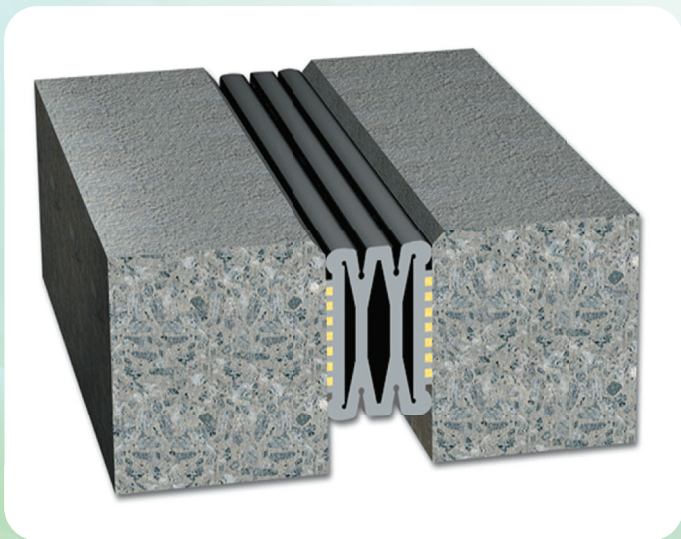
- > Buildings
- > Bridges and Highways
- > Parking Structures
- > Industrial Facilities
- > Sports Stadiums and Arenas

Features:

- > Flexibility
- > Weather Resistance
- > Customization
- > ISealing Capabilities
- > Load Bearing

Benefits:

- > Structural Integrity
- > Prevents Damage
- > Durability
- > Aesthetic Appeal
- > Safety





Excellence In Quality

FALCON SOLUTION LIMITED

GET IN TOUCH

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