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Environmentally Preferred

## ECO PRODUCTS & SYSTEMS

Innovative and environmentally friendly products for a sustainable built environment



*Wide Range of Construction Chemicals*

### We Provide

- (1) Industrial Floor Hardener
- (2) Waterproofing Liquid Membrane
- (3) Epoxy Floor
- (4) Non-Shrink Grout
- (5) Concrete Repair Chemical
- (6) Fair Face Plaster
- (7) Skimcoat Rendering Paste

**DAWN TRADING INTERNATIONAL**  
(A Sister Concern of Dawn Group)



**Dawngroup**  
*The Rising Sun*

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## AN INTRODUCTION

**Dawn group of companies** comprising of a number of sister concerns, has diversified it's activities in various areas like Construction, Real Estate, International Trading, Export, Import, Indenting, Consulting, Information Technology, Education, Advertising & Marketing, Telefilm, Distribution, Entertainment (Film production), Fisheries, Dairy & Poultry- with a team of well experienced, enthusiast, energetic fully equipped with modern technology under the dynamic leadership of Group Chairman & CEO Mohammad Ershad Hussain Phd, MBA, LIBA (UK). He is the key person and for his successful leadership, supervision, planning and control Dawn Group of Companies have been able to make their due place in the business arena of Bangladesh within a very short time.

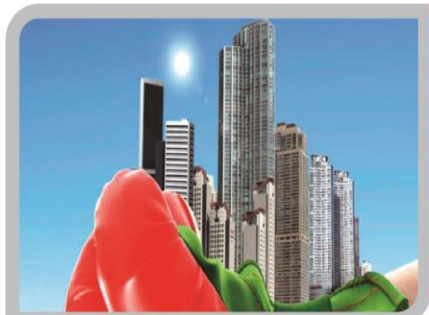
Dawn group of companies with its two decades of superb multidimensional experience is now devoted towards future visions of expansion in the field of Ship Building and Energy Sectors.

After incorporation of the firm as a Private Limited Company in the year 1987 it has successfully completed quite a good number of mentionable and Prestigious Projects under :-

- \* Bangladesh Chemical Industries Corporation (BCIC).
- \* Bangladesh Jute Mills Corporation (BJMC).
- \* Bangladesh Mineral Exploration & Development Corporation (BMEDC).
- \* Bangladesh Agricultural Development Corporation (BADC).
- \* Military Engineering Services (MES).

Dawn Group is enlisted with various Government, Semi- Government, Autonomous and Private Organizations like Public works department (PWD), Bangladesh Water Development Board (BWDB), Roads and Highways Department (RHD), Housing and Settlement Department (H&SD), Military Engineering services (MES), Dhaka City Corporation, Khulna City Corporation, Chittagong City Corporation, DGC is also working as local agent, sole distributor of a lots of foreign reputed companies with good rapport.

- Electrical • HVAC • Public Health and Safety - Fire Fighting • Public Health and Safety - Plumbing • EPC • Solar EPC • Co-Gen Solutions • Low Voltage Systems
- DG Sets • High quality shrimp culture. • Garments Manufacturing & Supporting to Garments Accessories. • Distribution & Marketing of Poultry Chick & Foods jointly with BRAC Poultry in Bangladesh. • High quality construction for Residential & Commercial Building, Reconstruction Road , Bridge, Culvert, sleuth gate Etc. • Media related feature film/documentary making & distribution. • Education Consultancy (Student Care) represent as Master Agent of various famous college/University worldwide. • Medical Equipment Distribution & Marketing.
- Property Development & Real Estate Development. • Employment for skill & unskilled manpower to abroad. • Distribution & Marketing, Computer & Computer related accessories, Software development. • The group deals with the Trading, Marketing, Export, Import, Indenting & Represent of so many world class principal/manufacturer as a local agent.
- Export agro based products. • Shrimp processing. • Shrimp nursery.
- International Operations • Dawn Crete • Dawnware



ECO FRIENDLY SOLUTIONS FOR THE CONSTRUCTION INDUSTRY

As a leading supplier and manufacturer of specialty construction chemicals, QuiCseAL is the prime provider of waterproofing membranes as well as a host of other construction chemicals and products for the making of the Garden by the Bay. The company is dedicated to provide high performing standards and quality of his products, and is a corporate member of the Singapore Green Building Council and Singapore Environment Council. QUICSEAL supplied a wide range of construction related materials for companied

involved in the project. Swee Hong used QUICSEAL 401 control crack inducer, as well as QUICSEAL 404, 201 and 208 used as sealants ideal for sealing movement joints in pavements. For Thompson Industries, the company used liquid applied QUICSEAL 104 flexible cementitious waterproofing membrane, non-toxic QUICSEAL 607 latex bonding agent and QUICSEAL 201 PU Sealant for the creations of Chinese Garden Cascade, Dragonfly Lake, Spitting Lion, and Tadpole Play Garden. QUICSEAL 104 flexible cementitious waterproofing membrane is perfect for the job due to its high performance and suitability for use in contact with potable water. It is also Green Label and Singapore Green Building Council certified.



Falcon Chemicals LLC was established in the United Arab Emirates in 1976 by a prominent international business group with interests in basic and specialty chemicals. Over the years, the company has diversified into several business sectors with a marketing network spread across the Middle East, Africa, the Indian Sub-Continent and the Far East.

Today, Falcon Chemicals LLC is one of the leading multi-divisional manufacturing companies based in a custom-built new factory in Jebel Ali Industrial Area, Dubai. We are an ISO 9001 and 14001 certified company and holds G.C.C. duty exemption certification allowing our products import duty exempted across the G.C.C. market. Our strategic mission is to serve our customers with high quality products at an affordable price. Our years of manufacturing experience, extensive research facilities and active product development program supported by a highly skilled and experienced staff has earned us an unsurpassed reputation throughout our product range.

Diversified product range – more than 400 products - offered through Multiple Divisions makes Falcon Chemicals LLC one of the most recognized Chemical Manufacturing Unit in the Middle East with an ever increasing customer base prospering & venturing to the new avenues of Business, related to Chemicals.



## Concrete Repairs & Additives

### Silica Based Floor Hardener

#### Description

QUICSEAL 535 Paver-Top N is a single component, quality controlled, factory blended, ready to use monolithic surface hardening compound. It consists of a special blend of hardwearing aggregates, high performance workability admixtures to produce a material which is applied as a dry shake over freshly floated concrete or floor screed.

#### Uses

QUICSEAL 535 provides a highly abrasion resistant surface to concrete floor by the dry shake method. It is ideal for use in all industrial areas subjected to the heaviest traffic, e.g. carparks, ramps, workshops, loading bays, factory floors, production areas, etc.

#### Advantages

1. Pre-packed - easy and economical to apply.
2. Forms monolithic bond with base concrete.
3. Provides a hard, abrasion resistant surface.
4. Resistant to oil and grease.
5. Non-metallic - QUICSEAL 535 provides a non-slip, non-rusting surface.

### Abrasion Resistant Silica Based Floor Hardener



### Monolithic Surface Hardening Compound E

#### Description

QUICSEAL 536 Paver-Top E is a single component, quality controlled, factory blended, ready to use monolithic surface hardening compound. It consists of a special blend of hardwearing aggregates, high performance workability admixtures with a Moh hardness of up to 9. It is applied by the dry shake method, which ensures that the hard-wearing surface bonds monolithically to the freshly floated concrete or floor screed.

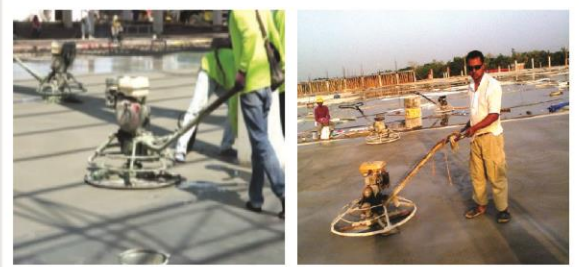
#### Uses

QUICSEAL 536 is ideal for use in all industrial areas subjected to the heaviest traffic, e.g. carparks, ramps, driveways, workshops, loading bays, factory floors, production areas, warehouses, passenger and freight terminals etc.

#### Advantages

1. Pre-packed - easy and economical to apply
2. Increased abrasion and impact resistance.
3. Provides an extremely strong, hard wearing, abrasion and impact resistant surface.
4. Resistant to oil and grease
5. Non-metallic-QUICSEAL 536 provides a non-slip, non-rusting surface.

### Abrasion And Impact Resistant Dry Shake Floor Hardener



### Sealer

#### Description

QUICSEAL 538 Paver-sil is water-based, deep penetrating solution based on fluorosilicates for sealing and dust-proofing friable concrete and masonry surfaces.

When applied to the floor, the solution penetrates into the substrate and reacts chemically with free lime and other soluble particles in concrete and masonry to produce hard, insoluble crystals. The chemical reaction increases the density and abrasion resistance of the treated substrate, leaving behind a permanent, hardwearing and dust free surface.

#### Uses

QUICSEAL 538 is recommended for:

1. For dust-proofing old concrete floors
2. As a surface hardener to improve the abrasion resistance of treated concrete, masonry and granolithic floors.
3. Improving the density of new concrete to reduce penetration of oil, grease and other chemical solutions.

#### Advantages

1. Improve abrasion and impact resistance.
2. Improve resistance to oil and grease penetration
3. Improve surface hardness-eliminates dust formation from within the treated surfaces.
4. Can be applied to new and old concrete surfaces.
5. Easy to apply.

### Water Based Clear Epoxy For Dust - Proofing Floors



## Concrete Repairs & Additives

### Bonding Agent

#### Description

QUICSEAL 501 is a styrene butadiene rubber latex specially formulated to upgrade the bonding and waterproofing properties of cement / sand based renders, screeds and mortars. The increased tensile and flexural strength of the polymer modified mortar allows high strength screeds to be laid. In addition, screeds and renders can be waterproofed and their resistance to abrasion, frost, water vapour transmission and certain chemicals is greatly enhanced.

#### Uses

1. Used as a bonding slurry in waterproofing sealing of construction joints and primary layers, between old, and new concrete.  
2. Used on floor screeds and toppings abrasion resistant and nondusting floors, waterproofing and tanking, swimming pools, life pits, water towers, basement or for plasters with improved chemical resistance in effluent tanks, liquid tanks and mild chemical resistant floors.  
3. Used in concrete repair for honeycombs, spalled concrete, repairing floors, worn steps and surfaces, beams and pre-cast elements, or for perfectly adhering levelling mortars with feather edgings.  
4. Used in tile or mosaic compounds for bedding tiles or re-fixing slip bricks.  
5. Used for weathered resistant external rendering, weatherproof and frost resistant plasters, or for interior renderings to concrete, brickwork, cork and other thermal insulation materials.

#### Advantages

1. Waterproofing of screeds, renders and slurries by reducing permeability in materials.  
2. Improved tensile, flexural and compressive strength.  
3. Excellent adhesion characteristics to concrete, steel and bricks.  
4. Adhesion and chemical resistance screeds.  
5. Non-dusting floors.  
6. Easy to use one-component product which is economic to use.  
7. Gives excellent adhesion and workability for plaster works to be done.  
8. High abrasion resistance.  
9. Reduces bleeding.  
10. High flexibility.  
11. Plasticizing effect and reduce shrinkage.  
12. Non-toxic.  
13. Improved corrosion protection.

### Styrene Butadiene Rubber Based Bonding Agent For Old Concrete to New Concrete



### Non-Shrink Grout

#### Description

QUICSEAL 510 Grout is supplied as ready to use cementitious non-shrink grout specially formulated to suit various purposes. QUICSEAL 510 is non-metallic and chloride free and is easy to use, requiring addition of water to produce a free flowing non-shrink grout.

#### Uses

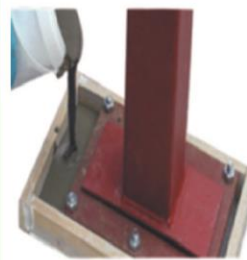
QUICSEAL 510 can be used in plastic or flowable consistency states in the following applications:

1. Bedding bearing plates.  
2. Precast applications-bedding precast units such as walls, slabs and refuse chutes and filling of precast joints and gaps.  
3. Small patch repairs.

#### Advantages

1. Premixed cementitious grout - Economical and easy to use.  
2. Non-corrosive - No corrosion to rebar, staining or deterioration due to rust expansion.  
3. Chloride free composition allows high early strength development without the use of chlorides.

### Non-Shrink Cementitious Grout



### Concrete Leakage Treatment

#### Description

QUICSEAL 516 is a single component fast setting hydraulic cement powder comprising of graded fine sand and specially formulated additives. When mixed with water, it becomes a fast setting repair mortar, which expands, and bonds tenaciously to substrate, thus stopping running water and leakages through cracks.

#### Uses

1. Stops leakage and seepage through general masonry, concrete, floor-to-wall junctions, and walls and around inserts such as concrete pipes and sleeves. QUICSEAL 516 can be used above and below grade to plug holes, static cracks & faults.  
2. Suitable to use in basements, foundations, retaining walls, elevator pits, wells, mines, tunnels, coffer dams.  
3. Anchoring bolts, dowels and metal fixtures in wet condition. Can be used to install equipment or railings and to anchor machines.

#### Advantages

1. Plugs cracks in concrete and masonry surface instantaneously.  
2. Fast setting.  
3. Fully hydraulic - therefore, reduce permeability.  
4. High early and ultimate compressive and tensile strength.  
5. Non-metallic and non-toxic.  
6. Chloride free.

### Water Plug For Concrete Leakage Treatment



## Concrete Repairs & Additives

### Skimcoat

#### Description

QUICSEAL 560 Skim Coat Rendering Paste is a paste to be mixed with cement to produce a high grade synthetic resin skimcoat. QUICSEAL 560 is easily applied by trowel and cures to form a stable and extremely durable finish. It is ideal for use in internal and external wall finishing.

#### Uses

1. As finishing coat for concrete surfaces, precast panels, blockwalls, GRC light weight partition walls or rendered surfaces.
2. As a fairing coat to reface concrete after repair.
3. To cover any uneven texture in rendered surfaces.

#### Advantages

1. Good workability, adhesion strength and durability.
2. Can be applied by trowel.
3. Excellent paint compatibility.

### Skimcoat Rendering Paste



### Fair Face Plaster

#### Description

QUICSEAL 550 Plaster Base Coat is a single component, polymer modified, premium quality, cementitious, prepacked mortar.

#### Uses

1. As a plaster for concrete surfaces, precast panels, brickwalls, blockwalls.
2. As a render coat to receive wall tiles.
3. As a joint mortar for brickwalls, blockwalls.
4. It is suitable for internal and external applications.

#### Advantages

1. Single component-easy to mix & apply.
2. Good workability.
3. Good water resistance.
4. Excellent adhesion to concrete substrates.
5. Good cohesion and adhesion within plaster.

### Polymer Modified Pre-Blended Fair Face Plaster



### Concrete Repair Mortar

#### Description

FALCON FEATHER PATCH is a polymer modified dry mix product, designed especially for patching and restoration of concrete floor and walls, precast panels, tilt-up panels, masonry and Stucco. FALCON FEATHER PATCH can be trowel applied to smooth or texture the surface of blocks and bricks. A brushable consistency can be used to uniformly coat blocks and bricks.

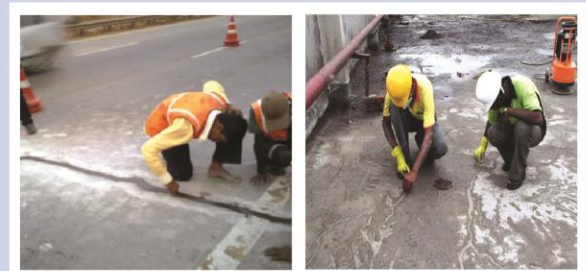
#### Uses

Formulated especially for thin patching. Superior performance from true featheredge to 10mm thick. Cement grey in color FALCON FEATHER PATCH is ideal for the repair of surface defects in concrete, masonry and plasters such as cracks, spalls, bug holes and honeycombs.

#### Advantages

1. Single component requires only addition of water
2. Moisture retentive
3. No shrinkage
4. High compressive and flexural strength
5. Excellent adhesion
6. Ideal for cosmetic repair to concrete
7. Self cured

### Single Component, Polymer Modified Cementitious Cosmetic Repair Mortar



# Waterproofing & Water Repellent

## Cementitious Membrane

### Description

QUICSEAL 104 is a two component, flexible cementitious waterproofing membrane consisting of a synthetic resin mixed with a blend of selected cement and well-graded fillers. When mixed, QUICSEAL 104 becomes a smooth slurry and is easily applied by brush, roller or suitable spraying equipment. QUICSEAL 104 can be applied onto damp substrates. The cured membrane is flexible, durable and weather resistant and has excellent adhesion to most building substrates. Its unique chemical structure provides a breathable membrane that is permeable to water vapour and yet impermeable to water. QUICSEAL 104 is capable of bridging hairline cracks.

### Uses

1. Waterproofing of Basement walls and lift pits 2. Waterproofing of potable water tanks, waterproofing of reservoirs, culverts, storm drains, canal, water retaining and water excluding structures. 3. Waterproofing of kitchens and toilets 4. Waterproofing of balconies and planter boxes 5. Protection of concrete structures in marine environment 6. Waterproofing of swimming pools and water features 7. Waterproofing to precast gable end walls 8. Waterproofing to RC flat roof (re-roofing - exposed and concealed applications) and gutters. 9. Waterproofing to external wall prior to installation of claddings.

### Advantages

1. Pre-packed-Easy to mix and apply 2. Excellent waterproofing qualities - able to withstand high hydrostatic pressure 3. Excellent adhesion to concrete, masonry, ceramics, natural and artificial 4. stones, cement board, steel, galvanized metal, copper, PVC, etc. 5. Flexible - able to bridge hairline cracks up to 2mm 6. Resistance to frost and thawing salts 7. Does not contain chloride or other corrosive salts which cause efflorescence 8. Non-toxic - suitable for use in waterproofing of potable water tanks and marine environment 9. Able to withstand light foot trafficking 10. Can be applied onto damp substrates 11. Weathering resistant 12. Algae and fungus resistant

## Two- Component Flexible Cementitious Waterproofing Liquid Membrane



## Water Repellent

### Description

QUICSEAL 110 is a solvent-based, low viscosity hydrophobic treatment for mineral and highly alkaline substrates. It impregnates and protects concrete and masonry from and thus protect against efflorescence, salt penetration, mold and mildew formations. -QUICSEAL 110 reacts with the atmospheric moisture or pore water in the substrate to produce a bonded hydrophobic lining to the pores. The lining greatly lowers the water absorbency of the substrate, whilst allowing the substrate to breathe.

### Uses

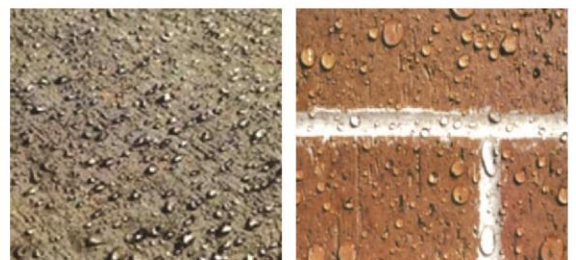
QUICSEAL 110 allows exceptional penetration to absorbent, porous, mineral building materials such as :

1. Concrete & Mortar Joints 2. Mineral plasters 3. Brickwork 4. Sand-lime brickwork 5. Paver 6. Natural stones, ie. sohofen, sandstones, etc 7. Precast concrete 8. Cement fibreboards

### Advantages

1. Excellent penetration capability due to unique molecular structure. 2. Extends the life of the treated substrate. 3. Breathable-allows high degree of water vapour permeability. 4. Water repellent 5. High alkaline resistance 6. Can be painted over with exterior paint 7. Increases freeze thaw resistance 8. Highly resistant to efflorescence

## Silane Siloxane Based Water Repellent



## P.U. Sealant

### Description

QUICSEAL 201 is a low modulus elastomeric, non-sag, and polyurethane sealant. It is easily gunnable and reacts with moisture in atmosphere to form a flexible rubber seal.

### Areas of Application

QUICSEAL 201 is recommended as a construction sealant for cementitious building materials, ceramics, glass, metal, anodized aluminum, wood and etc

### Uses

Expansion and construction joints in: 1. Claddings 2. Window and door frame surrounds 3. Precast concrete panels / movement joints in concrete 4. Civil Defence Shelter Conduits 5. Panel Roofing 6. Tile Movement Joints

### Advantages

1. high durability 2. can be painted over with acrylic dispersion paint 3. ease of application with no mixing required 4. non-slump on vertical surfaces 5. very good aging, waterproofing and weathering properties 6. excellent adhesion even without primer

## Single Component Polyurethane Sealant For Flexible Rubber Seal



## Concrete Repairs & Additives

### Anchoring Grout

#### Description

QUICSEAL 304 is a two component EPOXY PUTTY premixed with selected graded fillers /EPOXY RESINS and additives which when mixed, produces a high strength, impermeable and chemically resistant putty. The base / hardener are in different colors to provide visual confirmation of adequate and proper mixing on site.

#### Uses

QUICSEAL 304 is recommended for the following:

1. bonding precast concrete.
2. anchoring of bolts and dowel bars.
3. sealing of cracks.
4. repair of concrete.
5. overhead repair .
6. bonding of dissimilar materials.

#### Advantages

1. adhere to damp surfaces.
2. cures with undetectable shrinkage .
3. speed of repair due to chemical reaction.
4. impermeable to water, oil, petrol and chemical spillage.
5. thixotropic paste .
6. finished product is concrete grey in color.

### Epoxy Based Anchoring Grout



### PU Epoxy Floor

#### Description

QUICSEAL 381 is a four-component polyurethane, trowel applied in thickness from 6-9mm screed for industrial application and repairing system in matt anti-skid finish offering versatility in performance, aesthetics and economics.

#### USES

1. Hygienic floor for Kitchen, wet-food, beverage processing and packaging plants. 2. Chemical resistance floor for chemical process, containment area and wash down rooms. 3. Thermal shock resistance floor for freezers, refrigerators, and oven installed spaces. 4. Anti-skid finish for safety in oily /slippery service condition. 5. Mechanically durable floor for loading docks and warehouses.

#### Advantages

1. Anti-skid surface for safety 2. Excellent chemical resistance,3. Resists bacterial growth; fungi, mould and mildew. 4. Easily cleaned and maintained seamless surface. 5. High density systems with excellent wear, abrasion and impact resistance. 6. User friendly, no odor during installation. 7. One of the fastest "turn a round time" polymer modified product which reduces cost 8. High temperature resistance up to 130°C 9. Seamless (without joints) for optimum sanitation and hygienic finish.10. Complies to Japanese Standard JISZ 2801: 2000, 5.2

### Solvent-Free Epoxy Floor Coating



### Self-Leveling Epoxy Floor

#### Description

QUICSEAL 383 is a flow applied, three-component, self-smoothing, polyurethane resin floor screed formulated specifically as an ideal hygienic floor finish for the food and beverage industry and chemical processing plants to provide excellent resistance to aggressive chemicals. QUICSEAL 383 is suitable for use as a new topping over old or worn out polyurethane floors.

#### USES

1. Hygienic floor for Kitchen, wet-food, beverage processing and packaging plants. 2. Chemical resistance floor for chemical process, containment area and wash down rooms. 3. Thermal shock resistance floor for freezers, refrigerators, and oven installed spaces. 4. Anti-skid finish for safety in oily / slippery service condition. 5. Mechanically durable floor for loading docks and warehouses.

#### Advantages

1. Excellent chemical resistance 2. Resists bacterial growth; fungi, mould and mildew 3. Easily cleaned and maintained smooth seamless surface 4. High density systems with excellent wear, abrasion and impact resistance. 5. User friendly, no odor during installation 6. One of the fastest "turn a round time" polymer modified product which reduces cost 7. High temperature resistance up to 80°C at 6mm thickness 8. Seamless (without joints) for optimum sanitation and hygienic finish. 9. Complies with Japanese Standard JISZ 28011 2000, 5.2

### Self-Leveling Epoxy Floor Coating





COMPLETE **BATHING** SOLUTIONS



Wide Range of Construction Chemicals

# COMPLETE **BATHING** SOLUTIONS by **dawnware**



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(A Sister Concern of Dawn Group)



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