



Construction Chemicals

Strengthening Structures, Sealing Trust

A photograph of a construction site, partially enclosed by a large, dark blue, rounded rectangular shape. The photo shows two construction workers in the foreground, wearing hard hats and safety vests, standing on a rebar-reinforced concrete slab. In the background, a large tower crane is visible against a clear sky. The overall image has a blue-tinted, professional aesthetic.

Product Catalogue



We believe great buildings begin with honesty in material and excellence in detail. Born from the collaboration between professionals in sustainability, engineering and architecture our products bridge design intelligence with scientific rigor. The solutions we create are built to protect, strengthen, and endure; ensuring that what's constructed today stands the test of time, with integrity at its core and resilience in its performance.

Table of Content

Content	Page No.
About Us	01
Aqua Shield 550	02 - 03
Aqua Shield 501	04 - 05
Bond Pro SBR 500 & 300	06 - 07
DryFix Tile Bond	08 - 09
Dura Mix Admixtures	10 - 11



Powered by

World-Class Formulations

Building Tomorrow with Innovation

Expertly Formulated by Solcraft Chemicals

Solcraft Construction Chemicals – Innovation Built to Last

Solchem Construction Chemicals - SOLCHEM - has transformed the way the industry builds, repairs, and protects concrete infrastructure. Driven by BASF's pioneering chemical expertise and strengthened by high-performance raw materials from Archroma, our solutions deliver reliability, durability, and sustainability.

From the foundation to the final finish, Solchem provides highest quality chemical products for new construction, maintenance and repair jobs, as well as renovation projects. Each product is developed with deep industry insight and supported by decades of global construction experience, ensuring superior performance even in the most challenging contexts.

By combining advanced scientific innovation, international expertise, and premium-quality materials, Solchem empowers architects, engineers, and builders to create structures that truly stand the test of time. With Solchem, be ensured that you are building with confidence.





AQUA SHIELD 550



Part A Part B

Advanced Two-Component Acrylic Waterproofing System

Solchem Aquashield 550 is a high-performance, two-component acrylic-modified cementitious coating engineered for effective waterproofing and resurfacing of concrete, masonry, and other construction materials. Requiring only simple on-site mixing, it produces a smooth, flexible, and durable membrane easily applied by brush, roller, or trowel. Once cured, it forms a seamless, watertight barrier that protects roofs, foundations, and exposed concrete surfaces from moisture, waterborne salts, and atmospheric gases. Formulated with premium cements, graded silica sands, reactive fillers, and a liquid blend of acrylic copolymers and wetting agents, Solchem Aquashield 550 delivers superior adhesion, resilience, and long-term performance under demanding site conditions.



AQUA SHIELD 550

Advanced Two-Component Acrylic Waterproofing System

KEY FEATURES

- ❖ Forms a flexible, seamless, and watertight membrane
- ❖ Excellent adhesion to concrete, masonry, and various substrates
- ❖ Resistant to waterborne salts, carbon dioxide, and other atmospheric contaminants
- ❖ Easy to apply with brush, roller, or trowel
- ❖ Provides long-term protection against moisture and surface deterioration
- ❖ Ideal for both positive and negative water pressure applications

APPLICATIONS

- ❖ Waterproofing of roofs, terraces, and balconies
Foundation and retaining wall protection
- ❖ Water tanks, reservoirs, and wet areas
- ❖ Basements, tunnels, and concrete structures exposed to moisture
- ❖ Repair and resurfacing of concrete surfaces prior to protective coatings





AQUA SHIELD 501



Crystalline Waterproofing Made Simple

Solchem Aquashield 501 is a high-performance, single-component crystalline waterproofing compound formulated to protect concrete and masonry structures from water ingress. Requiring only the addition of clean water, it forms a brushable slurry that penetrates deep into pores and capillaries, where it reacts with free lime and moisture to create insoluble crystals that seal moisture pathways. Working from within the substrate, it forms a permanent, self-healing barrier that withstands both positive and negative water pressure. Ideal for brick and block masonry, concrete walls, and foundations, Solchem Aquashield 501 provides a durable, low-maintenance solution for long-term waterproofing and structural protection in moisture-sensitive environments.



AQUA SHIELD 501

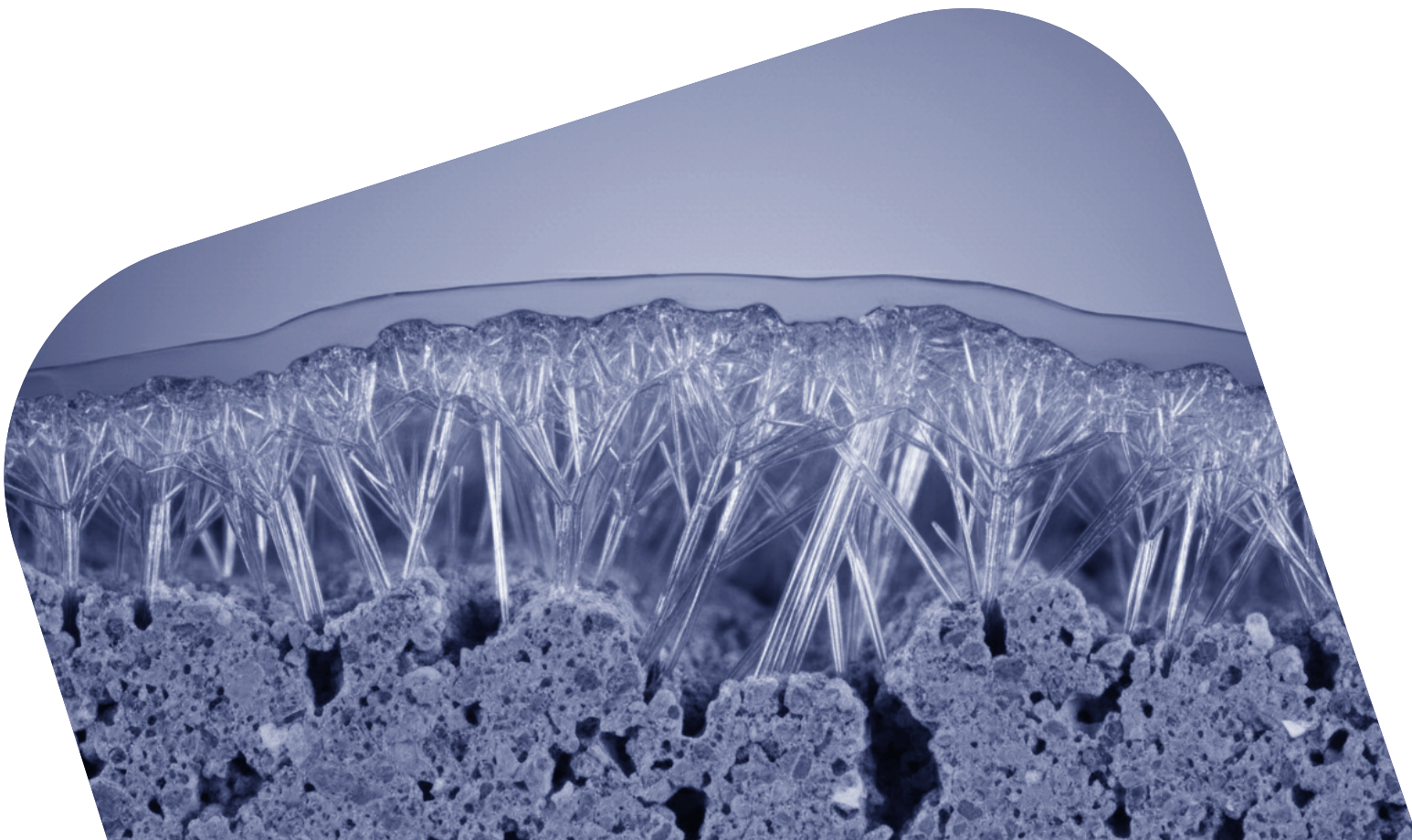
Crystalline Waterproofing Made Simple

KEY FEATURES

- ✦ Single Component formulation, just add water for easy use
- ✦ Penetrates deeply into concrete and masonry to form waterproof crystalline structures
- ✦ Self-sealing technology that resists both positive and negative water pressure
- ✦ Long-lasting protection without peeling or delamination
- ✦ Simple brush or spray application with excellent surface coverage
- ✦ Environmentally safe and compatible with a wide range of substrates

APPLICATIONS

- ✦ Waterproofing of brick and block masonry, and concrete surfaces
- ✦ Basements, foundations, and retaining walls
- ✦ Water tanks, reservoirs, and manholes
- ✦ Tunnels, lift pits, and sewage treatment plants
- ✦ Repair and restoration works for damp or leaking concrete structures





BOND PRO SBR 500 & 350



SBR 500

Superior Bonding, Lasting Performance

Solchem SBR 500 is a high-performance Styrene Butadiene Rubber (SBR) latex formulated to enhance the strength, durability, and bonding capability of cementitious systems. This versatile polymer emulsion is widely used as a key additive in concrete repair mortars, screeds, waterproofing slurries, and tile adhesives. It improves flexibility, reduces water permeability, and ensures excellent adhesion to a wide range of surfaces.

Solchem SBR 500 is engineered with premium-grade raw materials; the formulation of which provides superior workability, outstanding resistance to cracking, and long-term durability.

SBR 350

Reliable Performance for Everyday Applications

Solchem SBR 350 is a Styrene Butadiene Rubber (SBR) latex designed to improve the adhesion, flexibility, and overall performance of cement-based systems. Formulated for a wide range of general construction applications, it enhances the bond between old and new concrete, strengthens plasters, and improves the workability of screeds and repair mortars.

With its balanced polymer composition, Solchem SBR 350 offers excellent film formation, reduced shrinkage, and improved resistance to water penetration. It is ideal for use in both internal and external environments where dependable bonding and durability are essential.



SBR 500

KEY FEATURES

- ✦ Enhances bond strength and adhesion in cementitious systems
- ✦ Improves flexibility and reduces cracking
- ✦ Lowers water permeability for superior waterproofing performance
- ✦ Ensures excellent workability and smooth application
- ✦ Provides long-term durability in harsh environmental conditions
- ✦ Compatible with a wide range of construction materials

APPLICATIONS

- ✦ Concrete repair mortars and patching compounds
- ✦ Floor screeds and leveling layers
- ✦ Waterproofing slurries and coatings
- ✦ Tile adhesives and grouts
- ✦ Industrial and structural repair systems

SBR 350

KEY FEATURES

- ✦ Enhances adhesion between old and new concrete surfaces
- ✦ Improves flexibility and minimizes cracking in cementitious systems
- ✦ Reduces water absorption and increases surface durability
- ✦ Provides smooth workability and easy mixing characteristics
- ✦ Delivers reliable performance in both interior and exterior applications
- ✦ Suitable for a wide range of plastering and bonding operations

APPLICATIONS

- ✦ Plastering and rendering works
- ✦ Bond coats for concrete and masonry surfaces
- ✦ Floor screeds and leveling layers
- ✦ Repair mortars for minor surface defects
- ✦ Waterproof coatings and slurry mixes





DRYFIX TILE BOND



Strong Adhesion, Effortless Application

Solchem Dryfix Tile Bond is a high-quality, polymer-modified dry adhesive designed for fixing ceramic, porcelain, and mosaic tiles on floors and walls. Requiring only the addition of clean water, it forms a smooth, easy-to-apply paste that delivers superior bonding strength, reduced shrinkage, and long-lasting durability on both interior and exterior surfaces. Suitable for residential, commercial, and industrial applications, Solchem Dryfix Tile Bond ensures a firm, uniform finish on vertical and horizontal surfaces, making it the trusted choice for professionals seeking reliable, high-performance tile installation.



DRYFIX TILE BOND

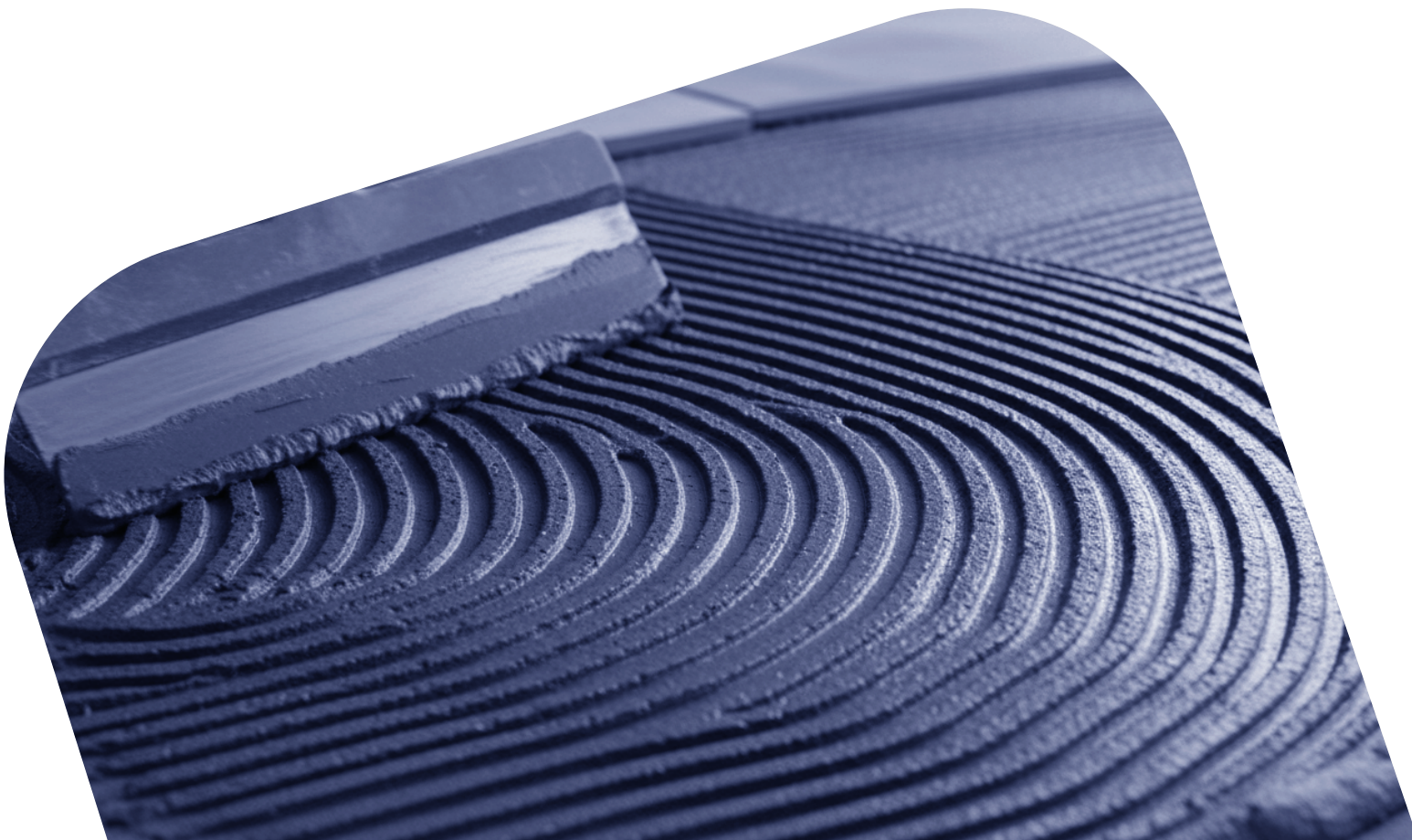
Strong Adhesion, Effortless Application

KEY FEATURES

- ❖ High bonding strength for floor and wall tiles
- ❖ Easy to mix and apply, just add water
- ❖ Excellent workability and open time for precise tile placement
- ❖ Reduces shrinkage and prevents tile slippage
- ❖ Suitable for both interior and exterior applications
- ❖ Compatible with ceramic, vitrified, and mosaic tiles

APPLICATIONS

- ❖ Fixing floor and wall tiles in bathrooms, kitchens, and living areas
- ❖ Installation of tiles on concrete, plaster, or cementitious surfaces
- ❖ Suitable for both residential and commercial projects
- ❖ Ideal for renovation and repair work where strong adhesion is essential





DURAMIX ADMIXTURE



Advanced PCE-Based Concrete Admixture

Solchem DuraMix is a high-performance, third-generation Polycarboxylate Ether (PCE)-based admixture developed to enhance workability, strength, and durability in all types of concrete. Ideal for ready-mix, precast, and high-performance applications, it delivers superior water reduction while maintaining excellent flow and slump retention. The advanced PCE technology produces dense, durable concrete with improved mechanical strength, reduced permeability, and a refined finish. With exceptional dispersion and uniform mixing, Solchem DuraMix minimizes segregation and bleeding, providing a consistent, economical solution for modern structural projects that demand reliability and long-term performance.



DURAMIX ADMIXTURE

Advanced PCE-Based Concrete Admixture

KEY FEATURES

- ✦ Third-generation PCE-based formulation for high water reduction
- ✦ Provides excellent slump retention and workability
- ✦ Enhances compressive strength and durability of concrete
- ✦ Reduces permeability, shrinkage, and segregation
- ✦ Compatible with various cement types and supplementary materials
- ✦ Improves surface finish and pumpability

APPLICATIONS

- ✦ Ready-mix and precast concrete production
- ✦ High-performance and self-compacting concrete (SCC)
- ✦ Structural foundations, columns, and slabs
- ✦ Bridges, tunnels, and infrastructure projects
- ✦ Durable concrete in aggressive environmental conditions





Contact Us

 **Head Office:** D-36, Block 2, Clifton, Karachi.

Branch Office: 6th Floor Rimpa Plaza,
Muhammad Ali Jinnah Road, Preedy
Quarters, Karachi.

 +92 3053415348 | +92 333 2044241 | +92 334 3831545

 mohammdsaad@solcraft.com.pk | chemicals@solcraft.com.pk

