



Research & Chemicals for Concrete



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GENERAL CATALOGUE



CONVERGENT GROUP
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Convergent Group is an International Chemicals Company located in Belgium that specializes in manufacturing chemical concrete treatments such as hardeners, sealers and densifiers



Our products are available in many countries throughout Europe, Africa, Australia, New-Zealand and Middle East

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Our Story

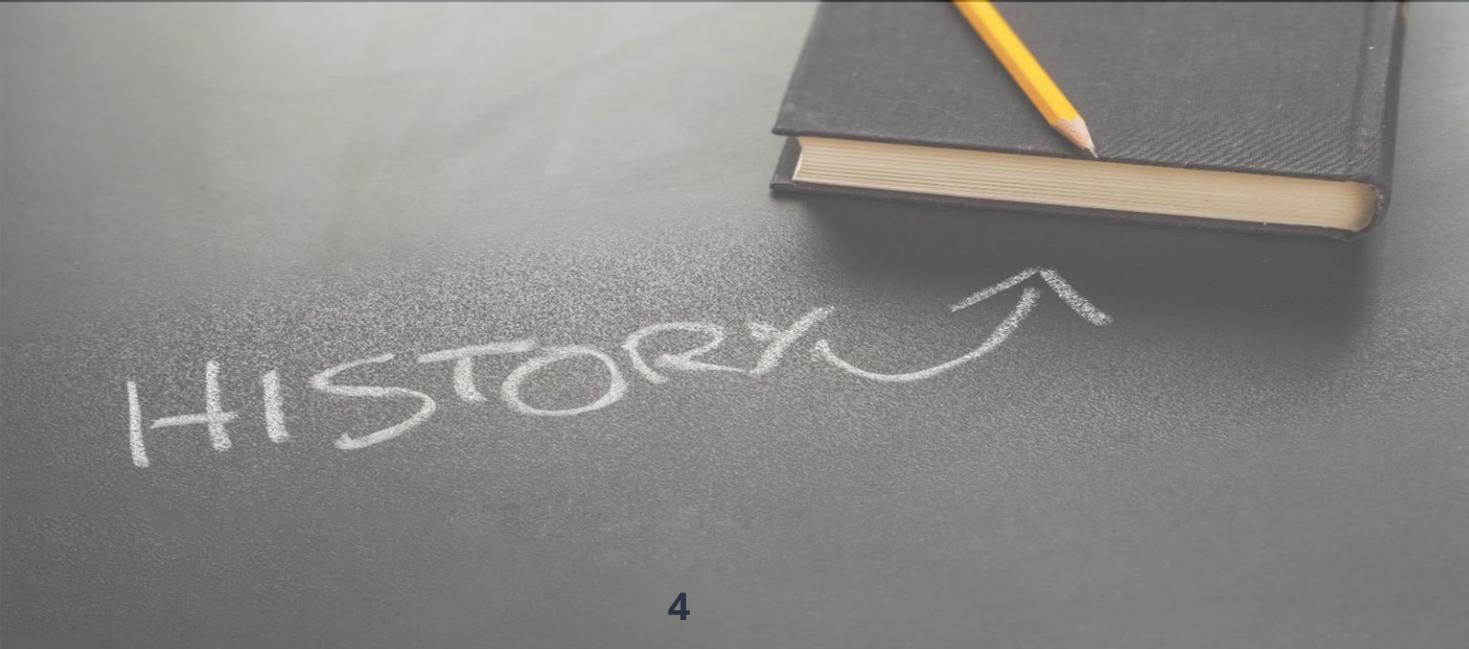
We are not just a group that created the best Lithium Silicate hardeners in 2000, we are first and foremost a research team for the protection of concrete surfaces in general.

Facility owners from various industries (manufacturing, warehousing, distribution, commercial, retail, healthcare and institutional) have relied on our unique chemical strengths to make their concrete and masonry cleaner, safer and more durable.

It is the most preferred and specified Brand by design builders, architects and owners and it continues to set the standard by which all others follow.

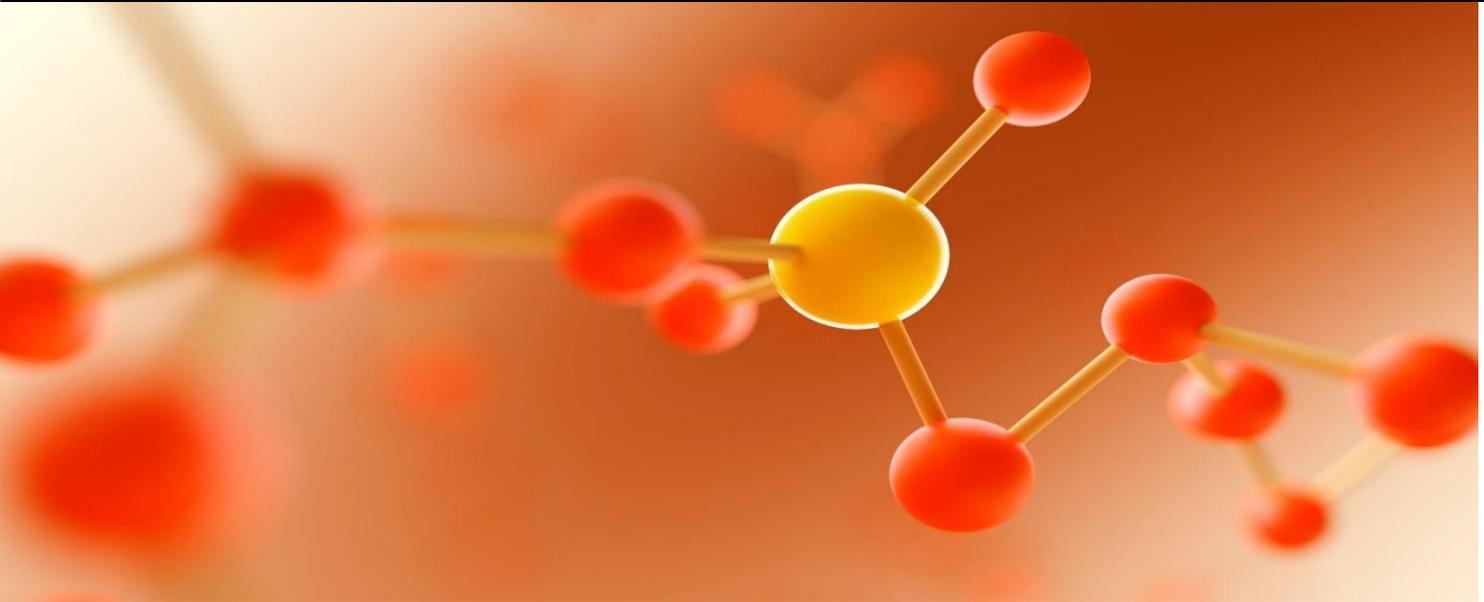
That is why we offer a range of hardeners, finishing products, colors and dyes but also repair material for concrete focusing primarily on Lithium, Sodium, Potassium and colloidal silica chemistry. We can also formulate products based on polyaspartic!

Research and development are our basic criteria to give you the best solution for the protection of your floors!



HISTORY ↗

Our Product Ranges



Rock-Pro	Sodium silicate
LisoFloor	Potassium silicate
Silico Surfacer	Colloidal silica
Pentra®	Lithium silicate
Exc Ion	Free silicate
Aspartic	Polyaspartic resin
Concrete Road Densifier	Lithium silicate
LisoTop	Water & Oil Repellent
PolyClean	Maintenance
Floor Repair	Repair concrete



Quality



At Convergent Group, quality is at the core of our priorities. We are committed to delivering products that meet the highest standards. Our team strives to ensure the efficiency and reliability of every solution we offer. Through a rigorous process and constant attention to detail, we make sure that our products always meet our clients' expectation. Satisfaction and performance are our top priorities.



Convergent Group is proud to have achieved the ISO 9001:2015 certification, a testament to our commitment to quality management and continuous improvement. This internationally recognized certification demonstrates our dedication to meeting customer expectations and ensuring the highest standards in all aspects of our operations. By adhering to the rigorous criteria set by ISO 9001:2015, we ensure consistent product quality, enhanced efficiency, and customer satisfaction across all our processes. This accomplishment reflects our ongoing efforts to provide exceptional value to our client.



Environment

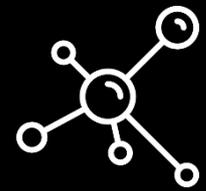


At Convergent Group, environmental responsibility is a core value. We are committed to developing products that are both environmentally friendly and safe for health. We make every effort to ensure that our manufacturing processes comply with the highest environmental standards, minimizing our ecological footprint. Our factory adopts sustainable practices and strives to reduce its environmental impact, with a constant focus on preserving the planet for future generations.



Convergent Group is also a dedicated research and development center, focused on continuously bringing innovation to meet our clients' evolving needs. Our R&D team works tirelessly to explore new solutions and technologies, ensuring that we stay at the forefront of industry advancements. By fostering creativity and collaboration, we aim to develop cutting-edge products that not only address current challenges but also anticipate future demands, providing our clients with the best possible solutions.

Our technologies



Criteria	Rock-Pro	LisoFloor	Pentra®	Exc Ion	Silico Surfacer
Main component	Sodium	Potassium	Lithium	Free silicate	Colloidal Silica
Abrasion resistance	Good	Good	Excellent	Excellent	Excellent
Effect on porosity	Reduces porosity	Reduces porosity	Strongly reduces porosity	Reduces porosity	Reduces porosity and improves stain resistance
Main application	Ideal for concrete surfaces exposed to abrasion	Used for industrial and commercial floors	Very effective for both interior and exterior concrete floors	Best suited for marine and humid environments	Used for decorative concrete surfaces and stain resistance
Impact on concrete color	May cause slight yellowing	Generally, no noticeable change	Does not change color	May slightly affect color	Typically, does not affect color
Durability	Very durable but sensitive to weather conditions	Durable, but may require occasional reapplication	Very durable, especially in harsh conditions	Very durable in difficult environments	Very durable, ideal for exposed surfaces in harsh weather
Reaction speed	Fast	Slower than sodium	Slower than sodium and potassium	Slow	Fast



Criteria	Rock-Pro	LisoFloor	Pentra®	Exc Ion	Silico Surfacers
Ease of application	Easy to apply	Easy to apply	Easy to apply	More complex to apply, requires good application conditions	Easy to apply, but requires careful management of silica dispersion
Cost	Relatively low	Relatively low	Relatively high	High	Moderately high
Advantages	Good value for money, effective on rough surfaces	Effective for a wide range of application	Very effective at enhancing hardness and chemical resistance	Best for specific environments like marine zone	Enhances durability and resistance to chemicals and moisture
Disadvantages	Requires rapid cleaning	Less effective in very humid conditions	Higher cost and more complex application	Less available on the market and expensive	Can be more costly and requires precise application

Rock-Pro (Sodium Based): Good value for money, ideal for general applications, but can react under certain conditions.

LisoFloor (Potassium based): Similar to sodium but may perform better for waterproofing propriety.

Pentra® (Lithium based): More expensive but performs very well in long-term durability and moisture resistance.

Exc Ion (Free silicate): Best for specific environments, but more complex to apply.

Silico Surfacers (Colloidal silica): Provides exceptional durability and resistance, especially in environments exposed to chemicals and moisture, but at a higher cost.



Cures

Pentra® - Lithium silicate

Pentra®-Sil (HD+C) *Hardener, Densifier and cure*

Rock-Pro – Sodium silicate

Rock-Pro Cure *Cure*

Densifiers

Rock-Pro – Sodium silicate

Rock-Pro *Hardener, Densifier*

Pentra® - Lithium silicate

Pentra®-Sil (HD+C) *Hardener, Densifier and cure*

Pentra®-Sil (H) *At-Time-of-placement hardener*

Pentra®-Sil (IH) *Impregnating hardener for terrazzo, stone, polished concrete*

Pentra®-Sil (244+) *Salt protection, dust proofer, hardener, densifier, sealer*

Pentra®-Sil (NL) *Hardener, Densifier*

Pentra®-Sil (HW) *Surface impregnator with advanced micro-bonding stain protection*

LisoFloor – Potassium silicate

LisoFloor 900 *Hardener & Sealer for concrete surface*

LisoFloor 950 *Hardener & Sealer with potassium and lithium*

LisoFloor 1050 *Hardener, densifier*

Silico Surfacer – Colloidal silica

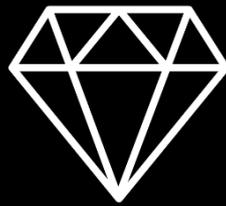
Silico Surfacer *New surface hardener based on colloidal silica for fresh concrete*

Exc Ion – Free silicate

Exc Ion *Free silicate hardener*

Concrete Road Densifier

Transil + *Special densifier for concrete road*



Using curing products and hardeners on a concrete floor offers several key benefits for the material's durability and performance. Curing products help maintain the necessary moisture in the concrete during the curing process, ensuring uniform hardening and preventing cracks caused by rapid evaporation of water. This contributes to improving the final strength of the concrete, thereby increasing its longevity.

As for hardeners, they reinforce the surface of the concrete by increasing its density and resistance to abrasion. They provide better protection against impacts, wear, and stains, which is especially beneficial for floors exposed to heavy loads or high traffic. By combining these two types of products, you achieve a concrete floor that is more durable, stable, and better protected against external damage, ultimately reducing long-term maintenance costs.



Sealers & Guards

Rock-Pro – Sodium silicate

Rock-Pro + *High performance protection for concrete floor*

Pentra® - Lithium silicate

Pentra®-Guard (HP) *High performance industrial flooring surface hardener and protective clear coat*

Pentra®-Guard (HPS) *High gloss stain & wear protection treatment (for polished surfaces)*

Pentra®-Guard (EXT) *Exterior surface hardening and protective clear coat*

Pentra®-Guard (RS) *High gloss stain & refurbishing treatment*

Pentra®-Finish (HG) *Advanced, high-gloss stain and wear protection finish*

LisoFloor – Potassium silicate

LisoFloor 3000 *Transparent topcoat for concrete floor (available with anti-slip)*

Aspartic – Polyaspartic resin

CG-PA Top Coat *High-strength polyaspartic resin (Transparent, color, chips)*



Using sealers and guards on a concrete floor plays a key role in preserving and extending its lifespan. Sealers form a protective barrier that prevents moisture, dirt, oils, and other substances from penetrating the surface of the concrete, thereby reducing the risk of stains and degradation. This helps maintain an optimal aesthetic appearance while making maintenance easier.

Guards, on the other hand, provide additional protection against wear, scratches, and abrasion. They strengthen the surface by creating a defensive layer against physical and chemical damage, which is particularly useful in industrial or commercial environments with heavy foot traffic. Applying these products contributes to the durability of the floor while minimizing long-term repair and maintenance needs.



Paints

Pentra® - Lithium silicate

Pentra®-Color Hard (PCH)

Industrial penetrating reactive color hardener

Pentra®-Protective Stain (HG)

Industrial penetrating stain and surface hardener

LisoFloor – Potassium silicate

LisoFloor 1000

Color hardener for concrete surface (for use with LisoFloor 900)

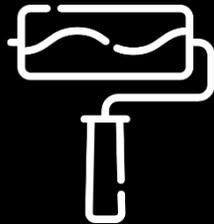
LisoFloor 2000

Color topcoat for concrete surface

Aspartic – Polyaspartic resin

CG-PA Color

High-strength polyaspartic resin (Transparent, color, chips)



Colored paints for concrete floors offer both an aesthetic and functional solution for customizing and protecting concrete surfaces. In addition to enhancing the appearance of a floor, they provide better resistance to stains, wear, and chemicals, depending on the type of paint used. These paints are particularly suited for commercial, industrial, or residential environments where both visual impact and floor durability are important.

With a wide range of colors and finishes available, it's possible to meet specific needs, whether it's for marking zones or creating decorative effects. Additionally, these paints offer protection against UV rays and moisture, helping to prolong the life of the concrete floor and reducing the need for frequent repairs.



Water & Oil Repellent

Pentra® - Lithium silicate

Pentra®-Sil (HW) *Surface impregnator with advanced micro-bonding stain protection*

LisoTop – Water & Oil repellent

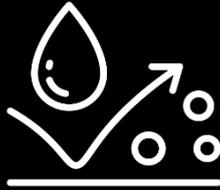
LisoTop 500 *Oil & Water repellent*

LisoTop 550 *The perfect protection for all types of wood*

LisoTop 600 *Water repellent*

LisoTop 650 *Waterproofing product against ascending humidity*

LisoTop 700 *Anti-graffiti*



Hydrophobic and oleophobic surface treatments are effective solutions for protecting concrete floors against moisture and oily substances. Hydrophobic products prevent water from penetrating the surface of the concrete, reducing the risk of cracks caused by freezing or water infiltration. By creating an impermeable barrier, these treatments also help prevent mold formation and moisture stains.

On the other hand, oleophobic products provide protection against oils, greases, and other oily substances. They form a layer that prevents these liquids from soaking into the concrete, making it easier to clean the floors while preserving their aesthetic appearance. These treatments are particularly useful in industrial environments, garages, or kitchens where oil or liquid spills are common.



Maintenance & Repair

Pentra® - Lithium silicate

Pentra®-Guard (RS) *High gloss stain & refurbishing treatment*

Pentra®-Sil (PCF) *Liquid pore & micro-crack filler for concrete grinding and polishing*

PolyClean – Cleaning products

Pentra®-Clean (CR) *Cleaner, restorer*

Pentra®-Clean (DC) *Daily cleaner*

LisoClean 820 *Multi-surfaces surfactant based cleaner*

LisoClean 850 *Moss & Fungi cleaner*

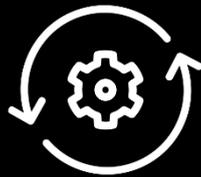
Floor Repair

B-Mortar 1 *Repair of cracks and small cavities between 1mm and 150 mm deep*

B-Mortar 2 *Repair of cracks and small cavities up to 150 mm deep*

LisoTop – Water & Oil repellent

LisoTop 700 *Water-based film-forming anti-graffiti agent*



Maintenance and repair products for concrete are essential for ensuring the durability and integrity of concrete floors and structures over time. These products allow for the repair of cracks, chips, or damaged areas, while restoring the mechanical and aesthetic properties of the concrete. Repairs may include sealants, patching compounds, or specialized resins, which are designed to match the characteristics of the existing concrete, ensuring a seamless and durable finish.

In addition to repairing damage, these maintenance products can also be used to protect concrete surfaces from wear, impacts, or moisture, thereby extending their lifespan and reducing the need for frequent upkeep. When used regularly, these products help maintain the appearance and functionality of concrete floors, while minimizing long-term renovation costs.



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