

PENTRA-SIL®

PENTRA-SIL Voted #1 Brand on the market Introductory range of Lithium products



Introduction of Pentra-Sil® (C&N) and Pentra-Sil® (AC)
~ Surface Sweating Alkalinity Control Formula and Primer, to neutralize surfaces suffering from alkalinity problems.

Pioneering of the maintenance market with **"micro-film forming treatment"** (alternative to mechanically grinding and polishing method) using inorganic hybrid treatment and high-speed burnishing with diamond impregnated pads - enhancing gloss, stain and wear resistance. This process changed the way floors are maintained as well as constructed today.



Introduction of Pentra-Protective Coating ~ an Industrial Protective Coating as a breathable industrial product. (currently Pentra-Clad)

nanoLithium
Patented Technologies by Advan Nano-Lithium® (NL) Concrete Treatment



2005

Introduction of Nano-Lithium® (ADVAN's engineered lithium polysilicate technology) ~ into a family of specialized performance products that offer higher performance for specific applications. These formulated (NL) products offered a unique strength and unmatched performance compared to conventional treatments allowing for optimized applications faster drying, higher solids, and more complete reactions.

Introduction of SiRE™ ~ a next generation reactive lithium silicone by ADVAN/DOW-CORNING under the "Powered by Dow Corning" program.



2009

2004



Introduction of the First "at-time-of-placement" Densifier ~ allowing a curing compound to be applied directly over the densifier application - now known as **PENTRA-Sil® (NL/H)**

Introduction of Pentra-Sil® HD+C ~ a patent-pending membrane film forming hardener that meets ASTM C309.

Introduction of PENTRA-FINISH™ ~ a patented "non-whitening, non-streaking" inorganic hybrid treatment (High-gloss or Low-gloss) for concrete, tile, terrazzo and stone applications.

2010

2003

Introduction of Pentra-Guard® (HP) ~ the first "GUARD," ~ a micro-film forming inorganic Hardener/Sealer Hybrid to provide enhanced wear, chemical resistance, and stain protection for industrial floors.



Introduction of Pentra-Paint™ ~ a patented lithium inorganic coating as a protective colored coating for industrial floors and line marking paint.



Introduction of Pentra-Guard™ (EXT) ~ the first "EXT" ~ an inorganic Hardener/Sealer Hybrid for exterior applications providing enhanced wear, chemical resistance, and stain protection for pavers and other masonry substrates.



Introduction of The DFS™ System with DAYTON SUPERIOR ~ changing the way new construction projects densify and cure as a systems approach as well as stand alone product offerings.

Introduction of Pentra-Shield™ ~ an anti-scale resistance treatment for concrete providing freeze-thaw protection against moisture and corrosive deicing chemicals.



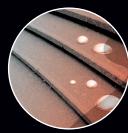
2011

2001



Introduction of PENTRA-SIL® Lithium Silicate Densifier ~ replacing sodium and/or potassium silicate densifiers. This creates a new standard in the flooring industry for hardening, densifying, and sealing concrete.

Introduction of Patented Pentra-Sil® (244+), an advanced Hardener, Densifier and Sealer that provides moisture, salt and efflorescence protection.



Introduction of Pentra-Melt™ ~ a novel non-corrosive, fast-acting lithium deicer that will not cause ASR as a technology licensee from FMC / ADVAN.

2012

Introduction of the PENTRA brand ~ a line of specialty products for distribution.

Introduction of TRANSIL™ ~ for diamond grinding and shot blasting patent pending composition and system for enhancing concrete wear and abrasion resistance protecting surfaces from rutting, skid loss and other distress.

2013



PENTRA®

ADVAN Acquires Various Patented Lithium Technologies

This included the acquisition of intellectual property from FMC including a strategic supply agreement and trademarks. ADVAN then launches CONVERGENT CONCRETE TECHNOLOGIES, LLC to commercialize these technologies.



FMC Files Inorganic Sealant Composition Patent for hardening / sealing concrete and masonry protecting against moisture and salt intrusion.



TIMELINE

Look at a snap shot of **major innovations** introduced by CONVERGENT which has transformed the industry as we know it.

www.concretetreatments.com