



CONVERGENT GROUP S.A.

The Concrete Technologies

Pentra-Finish™

(LG)

Advanced, Low-gloss Stain and Wear Protection Finish

Convergent Group S.A.

Specialty Chemical Concrete
Treatments Commercial

Products Group

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(SiRE)™ Li

Patented Technologies by Advan

Silicon Reactive Lithium
Concrete Treatment

www.silicontreatments.com



PRODUCT DESCRIPTION

Pentra-Finish™ (LG) is a patented, satin, stain and wear resistant finish for improving the sheen, hardness and chemical resistance of natural and cast stone, terrazzo, masonry, and other cement-based surfaces. This water-based, lithium fortified chemical polish dries quickly to a clear, extremely hard, micro-coating that tenaciously bonds and reacts with the substrate forming an insoluble bond. Formulated using reactive silicon hybrid polymer technology (SiRE)™ for extreme gloss, rapid shine development and excellent wear properties, this novel treatment eliminates the need for floor waxes, liquid polishes and conventional resin based coatings. Best results and coverage will be obtained by densifying the surface with approved Nano-Lithium® Densifier before applying **Pentra-Finish™ (LG)**.

Because of its unique chemistry, **Pentra-Finish™ (LG)** will not lift or peel from the surface. Periodic recoating requires no stripping as the material doesn't build up. **Pentra-Finish™ (LG)** is non-toxic, non-hazardous, and VOC compliant in all areas of the world with less than 50 grams per liter VOC content. The easy-to-use finish is tough, mark-resistant, fast drying and non-streaking. The treatment is used in conjunction with a high-speed burnisher on non-porous stone, masonry and cement based building materials to provide superior clarity and improved resistance against water and water-borne stains from accidental spills, oils, dirt and grime.

Ideal for ground and polished concrete surfaces as well as integrally colored, dyed and/or stained concrete. **Pentra-Finish™ (LG)** enhances the color intensity of natural and cast stone, and integrally colored, dyed, or acid stained decorative concrete. It also reduces efflorescence and mineral deposits making treated surfaces shinier and more attractive.

KEY BENEFITS

- Delivers rapid shine development with increased abrasion and stain resistance
- Keeps dirt and contaminants from penetrating, making cleaning faster, more effective and more economical
- Ready to use in a few hours--rapidly cures into a durable finish for facilities that require maximum protection and little-to-no downtime
- Forms a protective "micro-surface layer" that is breathable, dense, abrasion resistant, and that will not peel or flake
- Reduces maintenance, cleaning costs and costly repairs--simply damp mop or machine scrub
- No build up--periodic re-application is simple and requires no stripping
- Prolongs sheen of polished concrete surfaces
- Safe for food contact per SGS Testing (21 CFR 175.300)

CUSTOMER SERVICE:

(+32 60 390 752) to verify the most current versions, visit our website: www.convergent-group.com or scan the code.

**USES****INTERIOR FLOORING NON-POROUS GROUND, HONED, POLISHED OR BURNISHED CONCRETE SURFACES.**

Commercial: Grocery Stores, Office Building, Retail, Banks, Malls, Warehouses, Distribution Centers

Industrial: Food Processing Facilities, Cold Storage / Freezers, Beverage and Manufacturing Plants

Institutional: Churches, Hospitals, Universities, Schools, Museums

Theme & Leisure: Resorts, Hotels, Casinos, Restaurants, Theaters

Governmental: Federal & State Buildings, Prisons

Residential: Concrete floors and Garages

APPLICATION

BEFORE APPLICATION, ALWAYS DO A SMALL TEST SAMPLE IN A LESS-VISIBLE AREA TO BE SURE THERE ARE NO VARIABLES OR CONTAMINANTS IN THE SUBSTRATE THAT MAY BE INCOMPATIBLE WITH THIS PRODUCT.

Surface Preparation: Be sure surface to be treated is clean and dry. **Pentra-Finish™ (LG)** will not hide stains. Aggressive scrubbing with a neutral to alkali cleaner is recommended. Avoid citrus or butyl compounds when cleaning. **Pentra-Finish™ (LG)** will not bond to acidic surfaces so if applying over an acid stain, neutralize thoroughly first.

Mixing: Lightly stir before each use. Do not over mix or bubbles and/or foaming can occur and make uniform application more difficult.

Placement: IMPORTANT Do not over apply. Very thin coats are best. Apply **Pentra-Finish™ (LG)** using a micro fiber pad that has been pre-dampened with water. Using a pump up sprayer or HVLP sprayer, spray lightly over the top of the area to be treated, and then spread material thinly and evenly over the rest of the area using a micro-fiber pad. For best results, limit the size of the area being treated at any one time to a 6.1m x 6.1m section. Spread at a rate of 37 -74 sq. m/L depending on porosity of the surface. Spray another line of material when the applicator pad begins to drag. Do not work material into the surface—spread it and leave it. Allow each application to dry at least 30-60 minutes between coats or before using. **Second applications** will improve sheen and stain protection. Buffing with a high-speed burnisher (1500-2100 rpm) and a hog's hair pad between coats is recommended and will speed curing. Second coats will usually take no more than 74 – 98 sq. m/L. Do not cover treated surfaces for at least 1 week as protective coverings may slow curing and cause some whitening by trapping moisture.

ESTIMATED COVERAGE

- 1st coat: 37 -74 sq. m/L
- 2nd and subsequent coats: 74 – 98 sq. m/L
- Texture and absorption of surface will determine final coverage rates. Porous concrete surfaces may require additional material.

CLEAN UP

Wash equipment with soap and water. Although **Pentra-Finish™ (LG)** is non-toxic and environmentally friendly, it is alkaline. Use the material completely, or dry it out and dispose of it properly per local regulations. Do not pour down sanitary sewers or into storm drains.

MAINTENANCE

Routine sweeping, mopping, washing and mechanical scrubbing of floors with water and neutral pH cleaners (if necessary) is recommended. Plain water only is sufficient for most environments. DO NOT USE cleaners that are acidic or that have citrus (d-Limonene) or Butyl compounds. **Pentra-Finish™ (LG)** is chemically resistant and helps reduce staining, some compounds, especially acids, may damage the surface, and therefore it may not be suitable for some applications. If unsure, check with a Convergent technical representative. Regular maintenance and cleaning will help prolong surface shine. Wipe up any chemical spills as soon as possible.

SAFETY/HEALTH INFORMATION

KEEP OUT OF REACH OF CHILDREN. Dispose of waste material in accordance with federal, state and local requirements. Although the material is non-toxic and non-hazardous, the treatment is alkaline and may cause eye and skin irritation. Wear eye protection and gloves. If splashed in eyes, rinse with water and consult a doctor if irritation persists. Wash promptly from skin. Do not take internally—if swallowed, do not induce vomiting—drink water and call a physician. Avoid contact with eyes. Protective clothing is recommended. Surfaces may be slippery when wet with product. Additional precautions, safety information and first aid treatments are contained in the Material Safety Data Sheet (MSDS).

PROPERTIES

Active Ingredients:	100% of total solids
Specific Gravity:	1.09
pH:	11.5
V.O.C Content:	<50g/L
Flash Point:	N/A
Freeze Point:	0°C
Shelf Life:	1 Year in unopened factory sealed container

V.O.C.

Less than 50 g/L. Compliant with all US VOC regulations including Federal EPA, OTC, LADCO, SCAQMD & CARB.

PACKAGING

25 L Plastic Pail	28 kg
50 L Mini Drum	58 kg
200 L Drum	226 kg
1000 L Tote (IBC)	1150 kg

LIMITATIONS

Use on interior surfaces only. Protect from freezing. Agitate before use. Do not allow water to dwell on surface for 7 days following application. Do not allow traffic on surface until it is dry—typically 30-60 minutes. **Pentra-Finish™ (LG)** will not bridge or fill cracks, and will not salvage honeycombed or structurally unsound surfaces. **Pentra-Finish™ (LG)** quickly bonds to most surfaces including metal, wood, glass, and paint. Protect adjacent surfaces. Remove overspray quickly with a damp cloth and soap. Always do a test patch before beginning the job to verify coverage, appearance, and surface material variations.

TECHNICAL SERVICE

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WARRANTY

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Refer to www.convergent-group.com for latest Technical Data Sheet and MSDS.

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