



Pentra-Paint™

(LM) Safety and Traffic
Marking Paint

Convergent Concrete
Technologies, LLC.

Specialty Chemical Concrete
Treatments Commercial

Products Group

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PRODUCT DESCRIPTION

Pentra-Paint™ (LM) is a Hybrid Inorganic / Organic Nano-Lithium® Safety & Traffic Marking Paint. This high solids, high performance lithium-silicate water-based formulation is designed for use as traffic and lane marker paint for concrete, asphalt and masonry. It is available in white, yellow, black and gray. This unique chemistry is extremely low in VOC's (less than 50 grams per liter), environmentally friendly and has a very low polymer/ ammonia odor.

Pentra-Paint™ (LM) is ideal for marking interior and exterior curbing and lanes on driveways, sidewalks, factory floors, and parking lots and can also be used as a coating over larger areas. It conforms to TT-P-1952D Type I (normal conditions) and Type II (adverse conditions), as well as most state specifications. For use on concrete, asphalt, terrazzo, stone, and masonry substrates.

KEY BENEFITS:

- Abrasion resistant, fast drying, high visibility
- Glass beads can be added for making reflective markings
- Out-performs epoxies, urethanes and acrylics in durability, adhesion, and longevity
- Tenaciously bonds and chemically reacts forming a durable insoluble bond with the substrate that will not peel, flake or delaminate
- Creates a stronger, more impenetrable, and better-looking paint finish (colored semi-gloss) that is dust-proof, and resistant to staining and deterioration
- Rapidly cures into a durable finish for facilities that require maximum protection, excellent recoatability, and little-to-no down time
- Easy soap and water clean up

USES

Airport runways, shopping centers, municipalities, plant maintenance, parking lots curbs, walls, factory floors, commercial floors, safety and lane markings.



nanoLithium
Patented Technologies by Advan
Nano-Lithium® (NL)
Concrete Treatment
www.nano-lithium.com

CUSTOMER SERVICE:

(1-866-375-2280) to verify the most current versions, visit our website: www.convergentconcrete.com or scan the code.

**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.

SUBSTRATE PREPARATION

For best adhesion create a rough surface profile using shot blasting, diamond grinding, acid etching or similar methods. Clean and neutralize. The surface must be dry, free of surface contaminants, and in sound condition. Grease, and oil should be removed by ASTM D4258-83 and release agents should be removed by ASTM D4259 – 88 Refer to SSPC-SP13/NACE No 6 mechanical or chemical surface preparation methods for preparing concrete to suitable cleanliness for intended service. Allow a minimum 7–14 days cure time for new concrete prior to preparation and application.

PREVIOUSLY EXISTING COATINGS

Prepare surfaces using SSPC-SP12/NACE No. 5 Low Pressure Water Cleaning methods to remove surface contamination. Supplement SSPC-SP 12 LPWC with SSPCSP1 Solvent Cleaning and SSPC-SP2 and 3 Hand and Power Tool clean areas of corrosion and loose or flaking paint (feather edges of sound, existing paint back to a firm edge). Sand glossy surfaces to provide profile. Apply a test sample to a small area to determine coating compatibility.

Mask areas that do not receive **Pentra-Paint™ (LM)** Traffic Marking and Safety Paint to protect from over spray. Important: Mix well and mix immediately before applying paint.

Spray at 15-20 mils wet.

Viscosity is similar to most industrial line stripe paints. May be thinned with water. With airless equipment use standard test pattern techniques to determine optimum tip size. The actual tip size and pressure settings will vary according to machine maker and model. We highly recommend adjusting your equipment to optimize the spray pattern and familiarize yourself with the “paint/finish” characteristics on a test surface before arriving at the job site. For manual application, foam rollers or very low nap rollers are most effective. If a second coat is necessary, wait until the first coat is dry to avoid lift-off—usually about 1 hour. Sprinkle anti-slip aggregates or reflective glass beads (120 mesh) immediately on wet surface if specific traction is desired. For added durability and protection, a clear coat of **Pentra-Finish™ (HG)** may be applied.

ESTIMATED COVERAGE

150-250 square ft. per gallon depending on substrate.

CLEAN UP

Use soap and water to clean tools and equipment. Although **Pentra-Paint™ (LM)** is non-toxic and environmentally safe, it is alkali—use up or dry out extra material and dispose of according to local regulations. Don't pour into sewer systems or storm drains.

FINAL RESULTS

Extremely durable semi-gloss / matte finish depending on porosity of substrate.

Light pedestrian use within 30-60 minutes, vehicle traffic in 2 hours. Maximum performance may take up to 14 days to develop, depending on temperature and humidity. If possible, do not allow standing water or puddles of water to be left on the surface for three days. Make certain the most current versions of **Pentra-Paint™ (LM)** Coating Product Data sheet and MSDS are being used; Please read this information prior to use; call Customer Service (1-866-375-2280) to verify the most current versions or visit our www.convergentconcrete.com.

TECHNICAL SERVICE

Customer Care
Toll Free 866-375-2280 or
801-375-2280

EMAIL

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concrete.com

WEB

www.convergentconcrete.com

For chemical/medical emergencies only,

Call Infotrac 800-535-5053
Outside USA 352-323-3500

SAFETY / HEALTH INFORMATION

Pentra-Paint™ (LM) is an aqueous Lithium silicate solution that uses proprietary compounds. The treatment is alkaline and may cause eye and skin irritation. KEEP OUT OF THE REACH OF CHILDREN. Do not take internally. Avoid prolonged contact with skin. Avoid ingestion of material. If swallowed, do not induce vomiting – call physician. Avoid contact with eyes. Protective clothing is recommended. Protective goggles are recommended in case of splashing. If splashed in eyes, wash immediately with clean water and call physician if irritation persists. Contact areas should be thoroughly washed with soap and water. Additional precautions, safety information and first aid treatments are contained in the Material Safety Data Sheet. **Pentra-Paint™ (LM)** will bond to most surfaces—immediately wash off over spray with water all and mild detergent. Caution: Surfaces wet with **Pentra-Paint™ (LM)** may be slippery.

PROPERTIES

Form:	Viscous liquid, color matches label
Total Solids:	33-37%
Active Ingredients:	100% of total solids
Specific Gravity:	1.15-1.17
pH:	11.2-12.2
Film:	Yes
Flash Point:	None
V.O.C. Content:	Less than 50 gms/L
Freeze point:	32°F (0°)
Abrasion Resistance:	Excellent
Viscosity:	5200 CPS

PACKAGING

5 Gal Plastic Pail
55 Gal Drum
275 Gal Tote (IBC)

STANDARD COLORS

White, Yellow, Black and Gray

LIMITATIONS**FOR PROFESSIONAL USE ONLY**

Protect from freezing. Agitate before use. Do not allow standing water to dwell on surface for 3 days following application if possible. Do not allow traffic on surface until it is dry—typically 30-60 minutes. **Pentra-Paint™ (LM)** will not bridge or fill cracks, and will not salvage honeycombed or structurally unsound surfaces. **Pentra-Paint™ (LM)** 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 substrate variations.

WARRANTY

LIMITED WARRANTY NOTICE Every reasonable effort is made to apply exacting standards both in the manufacture of our products and in the information that we issue concerning these products and their use. We warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, Convergent Concrete MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and Convergent Concrete shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the Convergent Concrete Research Director. This information and all further technical advice are based on Convergent's present knowledge and experience. However, Convergent assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights. In particular, Convergent disclaims all WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. CONVERGENT CONCRETE SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. Convergent Concrete reserves the right to make any changes according to technological progress or further developments. It is the customer's (Authorized Applicator) responsibility and obligation to carefully inspect and test any incoming goods. Performance of the product(s) described herein should be verified by testing and carried out only by qualified experts. It is the sole responsibility of the customer to carry out and arrange for any such testing. Reference to trade names used by other companies is neither a recommendation, nor an endorsement of any product and does not imply that similar products could not be used.



Refer to www.convergentconcrete.com for latest Technical Data Sheet and MSDS.

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UNIQUE STRENGTHS, UNMATCHED PERFORMANCE.™

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