

Pentra-Sil®

(HDS) Hardener, Densifier, Sealer for Integrally Colored, Dyed, Stained and Polished Concrete

Convergent Concrete Technologies, LLC.

Specialty Chemical Concrete Treatments

115 North 1380 West
Orem, Utah 84057
United States of America

Office: 801-375-2280

www.convergentconcrete.com



nanoLithium

Patented Technologies by Advan

Nano-Lithium® (NL) Concrete Treatment

PRODUCT DESCRIPTION

Pentra-Sil® (HDS) is a specially engineered penetrating hardener, densifier and sealer for polished concrete. It is highly effective for colored, dyed or acid stained cementitious surfaces. With color shielding and efflorescence control, this unique densifier substantially enhances color depth, increases abrasion resistance, heightens and prolongs gloss and protects against water and contaminants. Pentra-Sil® (HDS) minimizes salt damage, is easy to use, and is VOC compliant.

KEY BENEFITS

- High solids formula improves polishing results
- Enhances and protects dyed, stained and integrally colored concrete
- Hardens, densifies, and dust-proofs
- Easy-to-use, no rinsing required
- Defends against water, stains, and harmful substances
- Breathable—allows interior moisture to escape without damaging sealer
- Penetrates--no film to lift or peel off
- Protects against salt and freeze/thaw damage
- Reduces efflorescence and surface sweating
- Does not contribute to surface ASR or promote crazing
- VOC compliant, may contribute to LEED points (IEQ credit)

Customer Service:

Call 1-866-375-2280

Visit our website:

www.convergentconcrete.com

Or scan the code:**USES**

Polished Concrete, Grocery Stores, Parking Garages, Fire Stations, Sidewalks, Driveways, Loading Docks, Aircraft Hangars, Automotive Dealerships, Shipping Terminals, Vehicle Maintenance Areas, Office Buildings, Healthcare Facilities, Cafeterias/Restaurants, Correctional Institutions, Retail & Shopping Centers, Schools, Stadiums, Veterinary Clinics, Common Areas, Laboratories, Lobbies, Mechanical Rooms, Mezzanines, Manufacturing Facilities, Warehouses, Storage, Distribution Centers, Food Processing Plants, Textile Mills, Wastewater Treatment Plants, Pharmaceutical Plants, Electronic Facilities, Cold Storage/Freezers, Beverage Bottling Plants, Chemical Processing Plants, etc.

APPLICATION

Apply only when temperatures will be above 40°F (4°C) for at least 2 hours following application.

Clean surface to remove any dirt, laitance, curing compounds or coatings that may prevent Pentra-Sil® (HDS) from penetrating. Do not use citrus or acidic cleaners. If acidic or d-limonene cleaners have been used, neutralize the surface using an alkaline cleaner (TSP, Tide laundry detergent, etc.).

Using a sprayer, apply Pentra-Sil® (HDS) evenly on the surface. Keep the surface wet with product for at least 20 minutes, adding more product where needed.

If used as part of the polishing process, wait until the material is no longer wet on the surface before continuing to the next step in grinding and polishing.

**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.*

ESTIMATED COVERAGE

600-800 ft² per gallon (14.7-19.6 m² per liter)

*Coverage rate will vary with concrete porosity and environmental conditions.

CLEAN UP

Use soap and water to clean tools and equipment. Although Pentra-Sil® (HDS) is non-toxic and environmentally safe, it is alkaline. Use up or dry out extra material and dispose of according to local regulations. Do not pour into sewer systems or storm drains.

MAINTENANCE

Clean with Pentra-Clean™ (CR), Pentra-Clean™ (DC) or neutral pH cleaners as needed. If additional protection or gloss is desired, apply Pentra-Finish™ (HG), Pentra-Pel™ (SI), or Pentra-Guard® (EXT). Consult a Convergent Concrete Representative for further information.

SAFETY / HEALTH INFORMATION

KEEP OUT OF REACH OF CHILDREN.

Do not drink. If swallowed, do not induce vomiting; drink two glasses of water and call a physician. Wear goggles and gloves. If splashed in eyes, rinse eyes immediately with clean water and call a physician if irritation persists. Clean skin with soap and water.

CAUTION: Surfaces wet with Pentra-Sil® (HDS) may be slippery.

Additional precautions, safety information and first aid treatments are contained in the Safety Data Sheet.

Technical Service

Customer Care:

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

Email:

info@convergentconcrete.com

Web:

www.convergentconcrete.com

For Chemical/Medical Emergencies:

Infotrac 800-535-5053

Outside USA 352-323-3500

PROPERTIES

Form: Liquid

Color: Red tint, dries clear

Odor: Slight to none

Total Solids: 17.1%

Specific Gravity: 1.10

pH: 11-12

VOC Content: <50g/L

Flash Point: N/A

Freeze Point: 32°F (0°C)

Shelf Life: 1 year in unopened, sealed container

PACKAGING

1-Gal Jug • 3.79 L

5-Gal Pail • 18.93 L

55-Gal Drum • 208.20 L

275-Gal Tote (IBC) • 1040 L

LIMITATIONS

Pentra-Sil® (HDS) will not bridge or fill cracks and will not salvage honeycombed or structurally unsound surfaces. Not suitable for asphalt, non-cement surfaces or painted surfaces. Paint and coatings may be applied over the top of Pentra-Sil® (HDS).

Pentra-Sil® (HDS) comes into contact with glass, fabric, metal, or painted surfaces, immediately wipe contaminated surfaces with a damp cloth, then wipe dry with a second clean cloth.

Make certain the most current versions of the Pentra-Sil® (HDS) Product Data Sheet and SDS are being used. Call Customer Service (1-866-375-2280) or visit our website (www.convergentconcrete.com) to find additional tips, guidelines and specifications. Proper application is the responsibility of the user. Field visits by Convergent Concrete Personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the job site.

Technical Service

Customer Care:

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

Email:

info@convergentconcrete.com

Web:

www.convergentconcrete.com

For Chemical/Medical Emergencies:

Infotrac 800-535-5053

Outside USA 352-323-3500

WARRANTY

The product and application information contained herein is offered in good faith and we believe it to be accurate. However, since conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent. Convergent Concrete Technologies, LLC's sole warranty is that our products will meet our specifications at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

CONVERGENT CONCRETE TECHNOLOGIES, LLC. SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. CONVERGENT DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.



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

Convergent Concrete Technologies, LLC. ~ Specialty Chemical Concrete Treatments • 115 North 1380 West • Orem, Utah 84057 • 801-375-2280

UNIQUE STRENGTHS, UNMATCHED PERFORMANCE™

©2020 Convergent Concrete Technologies, LLC. All Rights Reserved.

Pentra-Sil® (HDS) is a registered trademark of Convergent Concrete Technologies, LLC. Nano-Lithium® brand name and logo are registered trademarks of Advanced Concrete Technologies, LLC ("ADVAN") and sub-licensed to Convergent Concrete Technologies, LLC, under a non exclusive co-brand/technology license. All rights reserved. ADVANCED CONCRETE TECHNOLOGIES, LLC makes no claim as to the product performance or product shown to be other than as warranted. REVISION DATE 071420