

# Technical Data Sheet - Pentra®-Sil (NL)

Cures & Densifiers



## WHERE TO BUY THIS PRODUCT ?


Ask for your **local distributor's** contact details at :  
[info@convergent-group.com](mailto:info@convergent-group.com)

## PACKAGING

- Plastic Pail : 20 L
- Container IBC : 1000 L

## INFORMATION

 [technical@convergent-group.com](mailto:technical@convergent-group.com)

 +32 60 390 752

 [www.convergent-group.com](http://www.convergent-group.com)

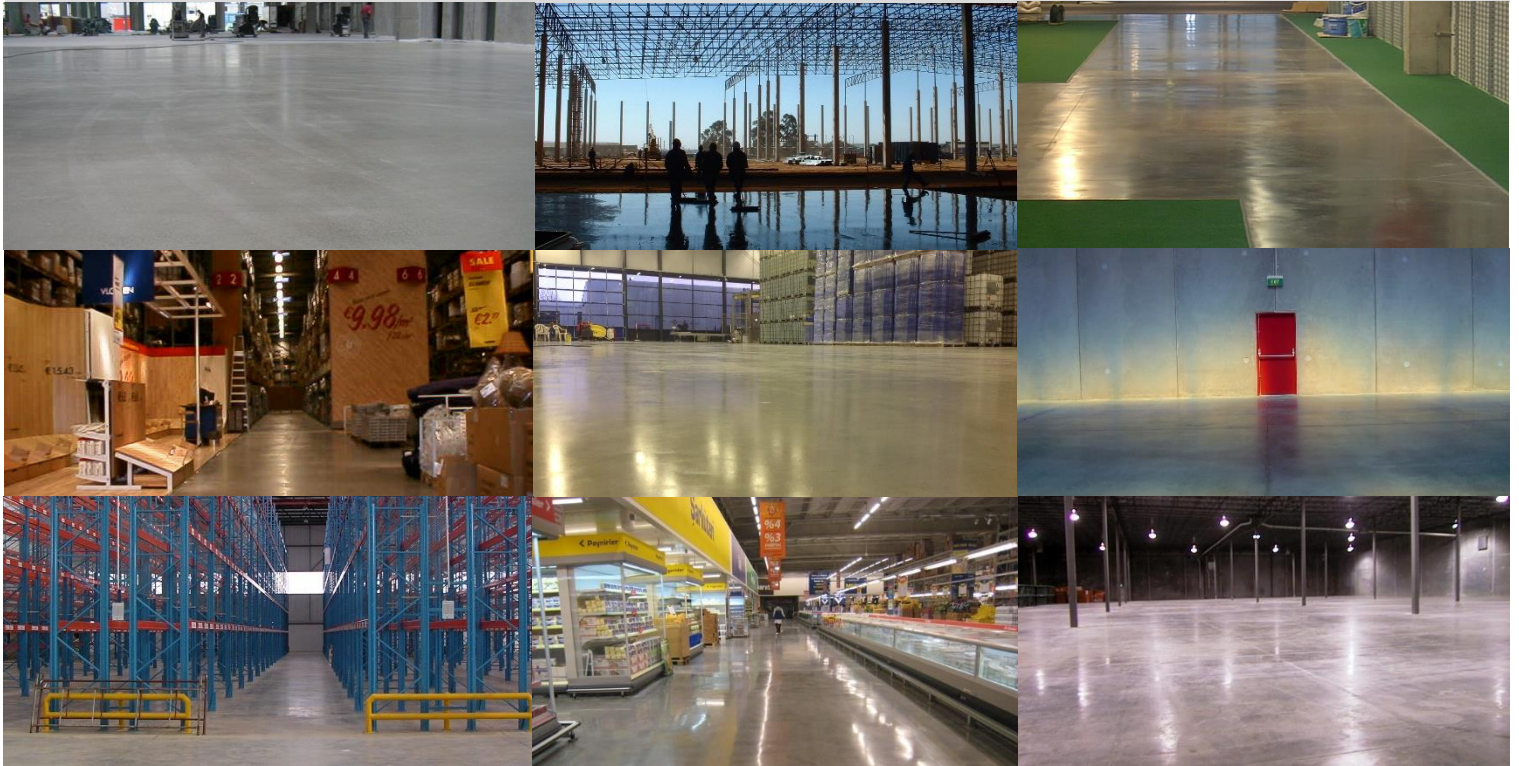
## High-quality poly-lithium silicate densifier for concrete surfaces

This formula offers optimum hardening to improve abrasion resistance and limit dust formation. This easy-to-apply, water-based solution requires no rinsing. Once sprayed onto new or existing concrete, the product penetrates the substrate and reacts with free Calcium to form an insoluble calcium silica hydrate that makes concrete more resistant to water, stains and abrasion, making maintenance easier and extending the substrate's working life. It helps prolong the life of polished surfaces.

## BENEFITS

- ✓ Easy application, no rinsing required
- ✓ Penetrates the surface without forming a removable film
- ✓ Reduces efflorescence
- ✓ Does not cause alkali-silica reaction or crazing
- ✓ Water-based
- ✓ VOC < 1 g/L
- ✓ Extends finishing life of polished surfaces
- ✓ Stain and dust resistant Maintenance-free

# Technical Data Sheet – Pentra®-Sil (NL)



## PROPERTIES

- Color : Greenish
- Odor : Odorless
- Density : 1,1
- pH : 11
- Water-base
- VOC < 1g/L
- Indoor Air Comfort Gold
- Shelf life: 1 year in original sealed packaging

## HEALTH & SAFETY

Carefully read the safety data sheet available on request

## APPLICATION

Carefully read and follow the application system available on request.

## USE

- ✓ New concrete
- ✓ Existing concrete
- ✓ Interior
- ✓ Exterior
- ✓ Heavy traffic
- ✓ Light traffic, pedestrian



## ESTIMATED COVERAGE

- ✓ Trowel-smoothed surface: 1 Litre for 12 to 19 m<sup>2</sup>/L
- ✓ Brush-smoothed surface: 1 Litre for 8 to 10 m<sup>2</sup>/L
- ✓ Yield varies according to the finish and porosity of the concrete.

## PERFORMANCE

- ✓ Reaction to fire classification : A1<sub>FL</sub> (NF EN ISO 1716)
- ✓ Permeability : 0,64 kg/m<sup>2</sup>.h<sup>0,5</sup> (NF EN 1062-3 : 2008)
- ✓ Non-cutting impact resistance (NF EN ISO 6272 : 1994) :
  - 2 impacts out of 5 : no damage
  - 2 impacts out of 5 : presence of splinters
  - 1 impact out of 5 : splinter initiation
- ✓ Abrasion resistance: Average mass loss at 100 revolutions : 673 mg (NF EN ISO 5470-1 : 2017)



# Technical Data Sheet – Pentra®–Sil (NL)

## INFORMATION



[technical@convergent-group.com](mailto:technical@convergent-group.com)



+32 60 390 752



[www.convergent-group.com](http://www.convergent-group.com)

Convergent Group SA's management system has been audited and certified according to the requirements of **ISO 9001:2015** for the activities of Production of hardeners for industrial concrete floors.



## GARANTEE

LIMITED WARRANTY NOTICE. We strive to apply rigorous standards, whether in the manufacture of our products or in the information we provide concerning the products themselves or their use. We guarantee their quality. We will replace or refund the purchase price of any product found to be defective. Satisfactory results depend not only on the quality of our products, but also on many factors beyond our control. Therefore, except for the replacement or refund stipulated above, CONVERGENT GROUP SA MAKES NO WARRANTY FOR ITS PRODUCTS, EXPRESS OR IMPLIED, INCLUDING THE WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND CONVERGENT GROUP SA assumes no other liability in this regard. Any complaint concerning a defective product must be made in writing within one (1) year of shipment. No claim will be considered without written notification or beyond the specified period. The user shall determine the suitability of the products for his intended use, and shall assume all risks and responsibilities in connection therewith. This information and any other technical recommendations are based on Convergent Group SA's current knowledge and experience. However, Convergent Group SA assumes no liability for the provision of such information and recommendations, including insofar as such information and recommendations may concern the intellectual property rights of third parties, in particular patent rights. Convergent Group SA DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. CONVERGENT GROUP SA SHALL NOT BE LIABLE FOR INDIRECT OR INCIDENTAL CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS) OF ANY KIND. Convergent Group SA reserves the right to make changes based on technological or other advances. It is the customer's responsibility and obligation to carefully inspect and test all goods received. The effectiveness of the products described herein should be verified by tests carried out exclusively by qualified experts. It is the customer's sole responsibility to carry out and ensure such tests. Reference to brands used by other companies is neither a recommendation nor an advertisement for these products, and does not imply that similar products may not be used. Convergent Group reserves the right to modify the specifications contained in this document at any time, without prior notice. The information contained in this document is, to the best of our knowledge, correct and accurate. It is provided in good faith. Nevertheless, it does not constitute any warranty, express or implied, as to merchantability, fitness for a particular purpose, completeness or otherwise. This documentation is provided for information purposes only and Convergent Group SA disclaims all liability arising from its use. In no event shall Convergent Group be liable for any incidental or consequential damages arising out of its use. This information does not claim to be exhaustive. The manner of use, conditions of use and handling of any product may involve additional considerations specific to the user or the use to which the product will be put. None of the foregoing should be construed as an authorization or recommendation to infringe patents or any other particular use. No agent, representative or employee of this company is authorized to modify the terms of this document.

Convergent Group S.A. All rights reserved.

Pentra® is a registered trademark of Convergent Group S.A. The Nano-Lithium® trademark and logo are registered trademarks of Advanced Concrete Technologies, LLC ("ADVAN") and have been sublicensed to Convergent Group S.A. under a non-exclusive joint technology license. All rights reserved. Products manufactured and marketed by CONVERGENT GROUP S.A. are protected by patents and/or patents pending under license in the United States and other countries in the name of ADVANCED CONCRETE TECHNOLOGIES, LLC. ADVANCED CONCRETE TECHNOLOGIES, LLC is not responsible for product or product performance. Date of revision : 01-03-2024