



---

# ARDEX PC 50

## Lithium Hardener Densifier for Standard Concrete

---

Lithium-based hardener

For use with ARDEX Polished Concrete Systems

Internal floor use only

Creates a hard, dense surface

---

**ARDEX Australia Pty Ltd**

20 Powers Road  
Seven Hills NSW 2147  
Phone: 1300 788 780  
Fax: 1300 780 102  
Email: [technicalservices@ardexaustralia.com](mailto:technicalservices@ardexaustralia.com)  
[www.ardexaustralia.com](http://www.ardexaustralia.com)

**ARDEX New Zealand Ltd**

15 Alfred Street, Onehunga  
Auckland, New Zealand  
Tel: 0800 227 339  
Fax: (03) 384 9779  
Email: [info@ardexnz.com](mailto:info@ardexnz.com)  
[www.ardex.co.nz](http://www.ardex.co.nz)

# ARDEX PC 50

## Lithium Hardener Densifier for Standard Concrete

### DESCRIPTION

ARDEX PC 50 lithium densifier is an economical, cost effective chemical treatment used to enhance the grinding and polishing process (metal and resin-bonded abrasives) of architectural polished concrete surfaces. ARDEX PC 50 rapidly produces a harder, denser surface that is easily profiled and polished. Its deep penetrating, non-soluble properties provide longer life and higher reflectivity. Ultimately, this results in superior durability, exceptional shine retention and reduced floor maintenance costs. ARDEX PC 50 is crucial to the installation of the ARDEX Polished Concrete Systems when polishing, or re-polishing and restoring worn or damaged surfaces.

### APPLICATION INSTRUCTIONS

1. Grind the concrete to remove all foreign material from the concrete surface and then bring the surface profile to a 100 - 200 grit finish. This step opens up the surface ensuring better penetration.
2. Mix, shake or stir thoroughly before applying.
3. Depending on size of work area, product can be applied with a pump up sprayer or a high volume, low-pressure sprayer (HVLP). Apply ARDEX PC 50 to the surface evenly at the rate of approximately 12-15m<sup>2</sup> per Litre. Lightly broom out any puddles immediately after application. Allow material to remain on the surface for 20-30 minutes. DO NOT LET ANY AREA DRY OUT during this time. Add more ARDEX PC 50 as needed in order to maintain a uniformly wet surface.
4. After material has penetrated and is no longer glistening on the surface, continue grinding and polishing to the intended final surface profile and desired finish. If using a wet polishing method, or on integrally colored concrete, we recommend using an auto scrubber and water to remove residual slurry between abrasive disc grits. Recommended: For enhanced gloss, stain and wear protection use ARDEX PC Finish stain and wear protection treatment.

### TYPICAL COVERAGE RATES

12-14m<sup>2</sup> per Litre. (Note: Coverage or treatment yield will vary with concrete quality, porosity, finish and environment. Previously densified floors require less material than non-treated floors.)

### CLEAN UP

Use soap and water to clean tools and equipment. Although treatment is non-hazardous and environmentally friendly, it is alkaline. Do not dispose of in storm drains or sewers. Use the material up or dry it out and dispose of per local regulations.

### MAINTENANCE

Routine sweeping, mopping, washing and mechanical scrubbing of floors with neutral pH cleaners/water is recommended. Refer to final process specification for specific maintenance procedures. Do not use acidic,

butoxy-ethanol, or citrus cleaners to maintain the floor.

### STORAGE INSTRUCTIONS

KEEP OUT OF THE REACH OF CHILDREN. For industrial and institutional use only. Keep closed when not in use. PROTECT FROM FREEZING. DO NOT HEAT. STORE BETWEEN 2°C and 38°C. Do not apply when air, material and surface temperatures are expected to fall below 4°C within four hours of completed application. DO NOT DILUTE WITH WATER OR OTHER COMPOUNDS. SHELF LIFE: 1 year in unopened container. (See ARDEX Polished Concrete Systems specification sections regarding applications, steps and procedures for applying ARDEX PC 50 product. Refer to ARDEX PC 50 SDS for complete safety information.)

### APPLICATION REQUIREMENTS

Must be applied by ARDEX trained contractors or installers.

### HEALTH AND SAFETY PRECAUTIONS

Although this product is non-toxic and non-hazardous, it is alkaline. KEEP OUT OF REACH OF CHILDREN. Do not ingest. Keep container closed tightly when not in use. 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 Safety Data Sheet. ARDEX PC 50 will bond to most surfaces immediately, so wash off over spray with water and mild detergent.

### TOLL FREE TECHNICAL SERVICES:

**1800 224 070 (Australia)**

**0800 227 339 (New Zealand)**

### DISCLAIMER

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable New Zealand & Australian Standards, our instructions and recommendations and only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

© ARDEX New Zealand Ltd 2017.

All aforementioned products are the trademarks of ARDEX New Zealand Ltd.