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# ARDEX PC 50

## Lithium Hardener Densifier for Standard Concrete

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For use in the grinding and polishing of ARDEX  
Polished Concrete Systems

Nano Lithium Technology, excellent penetrating  
performance



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## Lithium Hardener Densifier for Standard Concrete

### PRODUCT 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 ULTRAFLOR® System when polishing, or re-polishing and restoring worn or damaged surfaces.

### APPLICATION

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 6–10m<sup>2</sup> per liter. 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.

### Typical Coverage Rates

6–10 m<sup>2</sup>/kg. (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 and Disposal

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. DO NOT USE acidic, butoxy-ethanol, or citrus cleaners to maintain the floor.

### PACKAGING

20kg or 160kg bucket.

### 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 ULTRAFLOR® – POLISHED CONCRETE SYSTEM specification sections regarding applications, steps and procedures for applying ARDEX PC 50 product. Refer to ARDEX PC 50 MSDS for complete safety information.)

### PROFESSIONAL USE ONLY

Must be applied by ARDEX trained or certified contractors or installers. Please contact ARDEX for a complete list of 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 Material Safety Data Sheet. ARDEX PC 50 will bond to most surfaces immediately, so wash off over spray with water and mild detergent.

**CAUTION:** Surfaces wet with ARDEX PC 50 may be slippery.

Protection.....	C
Health.....	1
Irritant .....	*
Flammability.....	0
V.O.C. Content.....	< 50gms/L
Reactivity.....	0

The information supplied in our literature or given by our employees is based upon extensive experience and, together with that supplied by our agents or distributors, is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

Regional specific recommendations, standards, codes of practice, building regulations or industry guidelines may affect specific installation recommendations.