

# Duratop 400

Optima Coatings Duratop 400 is a colourless low viscosity liquid for application to concrete floors. Duratop 400 combines with the free lime produced during the hydration of cement to form hard insoluble crystals which bind the surface particles together and seal the surface to form a hard non-dusting protective layer.

**Colours:** Clear

### PRODUCT USES

Optima Coatings Duratop can be used for hardening and dustproofing concrete floors or cement-based wearing screeds and pavings in:

- Factories.
- Garages.
- Industrial units.
- Warehousing.

### ADVANTAGES

- Permanent treatment.
- New or old floors can be treated.
- Simple and easy to use.
- Used straight from the container.
- Economical.

### COVERAGE

As porosity and texture of concrete floors and cement pavings vary considerably, it is not possible to quote accurate coverage rates, but the following will provide a guide:

- |                          |  |
|--------------------------|--|
| • Tamped concrete:       | Approx. 3.5 - 5m <sup>2</sup> per litre per coat. Applied in a two coat application. |
| • Smooth concrete:       | Approx. 5 - 7m <sup>2</sup> per litre per coat. Applied in a two coat application.   |
| • Dense power trowelled: | Approx. 9 - 10m <sup>2</sup> per litre per coat. Applied in a one coat application.  |

### SURFACE PREPARATION

- Remove all oil, grease, etc. using Optima Coatings OptiDegreaser.
- Brush the floor with a hard broom or wire brush. Remove all dust and loose matter using a soft broom or industrial vacuum.
- Ensure the surface is thoroughly dry before applying Optima Coatings Duratop 400.
- New concrete: New concrete should be allowed to cure fully (21 days minimum).
- Dense floors: Hard compacted / power floated surfaces may not have sufficient porosity to allow absorption of Optima Coatings Duratop 400. Prior to treatment, test for absorption of water. If concrete is absorbent, test a small area with undiluted and another area with diluted Duratop 400 to see whether penetration is achieved. Then proceed accordingly.
- Porous floors: Duratop 400 is not suitable for highly porous floors. In such cases Optima Coatings Durafinish 800 is recommended.
- Other precautions: Take care to protect glass, paintwork, brickwork, furnishings etc. from splashes. Do not use Duratop 400 on coloured concrete, brickwork or masonry.
- Note: Duratop 400 will not work on weak, friable or dusting concrete.

**APPLICATION**

- Stir Optima Coatings Duratop 400 thoroughly before use.
- Pour evenly, or use a plastic watering can to sprinkle Duratop 400 liquid over the surface of the concrete.
- Then sweep Duratop 400 backwards and forwards over the floor to ensure even penetration. Any Duratop 400 not totally absorbed into the surface should be removed by mops or squeegees before drying.
- 24 hours after initial treatment, apply a second coat in a similar manner (some floors may require three coats).
- 24 hours after the final coat, wash down the floor using clean water.
- The floor may be walked on and used during the treatment period.

**CLEANING**

- All equipment should be washed in clean water immediately after use.

**SAFETY PRECAUTIONS**

- Skin contact: Wash thoroughly with soap and water.
- Eye contact: Flush immediately with water for 10 – 15 minutes and contact a physician.
- Respiratory problems: Remove affected person to fresh air immediately and contact a physician.
- Not for internal consumption.

**TECHNICAL DATA**

Pack Size	20 litre & 200 litre
-----------	----------------------

*Technical details above are provided in good faith. We are an ISO 9001: 2008 registered company and our products are manufactured to the highest standards using raw materials of superior quality. Consequently we believe in the quality of our products and will willingly replace any product in the unlikely event of a quality related performance failure. Whilst we are confident in guaranteeing the quality of our products, we cannot however accept any liability for performance failure due to the incorrect application of our products. Correct application is critical to the successful performance of our products and as this process falls outside of our control we are unable to cover the application under our product performance warranty. Where there are doubts, it is recommended that the user conduct their own suitability tests before use. To retain sheen and colour consistency of your paint, always make sure that the batch numbers are the same on all paint containers that you purchase.*

*Updated: March 2014 (this supercedes all previous publications)*