

Duratop 460CP

Duratop 460CP is a solvent-free 2k polyurethane primer used in conjunction with the coving product **Duratop 460C**. It exhibits a sufficiently long open time followed by a rapid subsequent cure, and excellent adhesive properties.

Colours:

Natural urethane yellow

PRODUCT USES

Duratop 460CP is used to reduce the porosity of concrete walls and provide a tacky surface for the subsequent application of coving on vertical surfaces.

ADVANTAGES

- Suitable for application on to 7 day old concrete and 3 day old polymer screeds
- Suitable for porous and non porous substrates including concrete, brick, exterior grade plywood, mild steel and insulated wall panels
- Solvent-free, no VOC's.
- Long open time

COVERAGE

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

7.4 m² per 1.7kg pack

PRODUCT CHARACTERISTICS

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|-----------------------------------|-------------------------|
| Colour: | natural urethane yellow |
| Pack size: mass: | 1.7kg |
| Volume: | 1475ml |
| Mix ratio: | 100 : 70 (A:B by mass) |
| Pot life (1.7kg mix): | 40-50 minutes (25°C) |
| Tack-free time (200 microns WFT): | 90-120 minutes |

SURFACE PREPARATION

As with all surface coatings, proper preparation is critical to ensure an adequate bond and the performance of Duratop 460CP primer. The success or failure of any application depends on proper preparation of the substrate. Duratop 460CP primer requires a clean, sound substrate free of all surface contaminants.

Prepare the surface by vacuum shot blasting, concrete surface planer, grit blasting or surface grinding to produce a clean sound substrate with good profile suitable to receive a resin finish.

APPLICATION DETAILS

- Empty both bottles into a ≥ 2 liter mixing vessel
- Mix Part A with Part B until homogeneous.
- Paint out immediately
- Clean equipment with solvent before one hour has elapsed

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| Coverage at 200 microns: | 7.4 m ² per 1.7kg pack |
| Recommended application thickness: | 200-300 microns WFT |
| Recommended material temperatures: | minimum +10°C, maximum +25°C |
| Recommended substrate temperatures: | minimum +10°C, maximum +35°C (Cure time is temperature, humidity and film thickness dependent.) |
| Working time | the 1.7kg kit should be painted out within 40 minutes of mixing |

Note:

- Do not apply when atmospheric condensation is occurring or likely to occur before over coating, i.e., when the dew point is reached or when the Duratop 460CP primer should be applied to wet out the surface of the substrate.
- The primer is applied by brush and roller.
- Use a stiff brush to apply into anchor grooves. Do not fill anchor grooves with Duratop 460CP primer.

TECHNICAL DATA

TEMPERATURE RESISTANCE

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| Service temperature: | Minimum: | -40°C |
| | Maximum: | +110°C |

STORAGE

Store indoors at temperatures of 5 – 35°C and humidity below 80% R.H.

SHELF LIFE

Correctly stored product will last a minimum of:

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|----------------------|---------|
| Part A (polyol): | 2 years |
| Part B (isocyanide): | 1 year |

IMPORTANT

- Proper mixing is essential for product performance
- Do not split up packs.
- Always apply a suitable test area to check the product performance
- The 1.7kg pack is designed to provide sufficient primer for an 18kg pack of coving compound Duratop 460C.
- Substrate temperature must be 5°C above dew point
- All new concrete must be fully cured before application

CLEANING

- All equipment should be cleaned with Xylene immediately after use.

SAFETY PRECAUTIONS

- Solvent-free, no VOC's.
- Take care with Part B – isocyanide. Can stain skin. Avoid fumes. See MSDS for more details.
- Avoid contact with moisture.
- Wear gloves and eye protection during mixing and application.
- For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the Optima Coatings Product Material Safety Data Sheet (MSDS)) for each component from our office or the Technical Consultant.
- 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.

PACKAGING DATA

1.7 kg pack: Pre-weighed Parts A and B in 1L plastic bottles, and provides a minimum of 1.475 liters of mixed product.

AUXILLARY PRODUCTS

- Duratop 460** - a trowelable urethane concrete product for flooring applications.
- Duratop 460C** - a trowelable urethane concrete with non-slumping character for coving.
- Duratop 460SL** - a self-leveling version of Duratop 460 (see individual data sheets).

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.

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