



# CONCRETE RESURFACER

**DUNLOP CONCRETE RESURFACER is a concrete resurfacing mortar modified with high-performance polymers to provide exceptional bond strength. It can be used over the surface of existing concrete to produce a new wear layer as well as to fill in small surface defects, such as spalls and gouges. This product is suitable for resurfacing interior and exterior concrete in residential and commercial applications subject to foot and vehicular traffic. Ideal for paths, patios, courtyards, walkways, driveways, garages, pool decks and most vertical concrete surfaces.**

## SURFACE PREPARATION

All concrete substrates must be structurally sound, solid, thoroughly clean and free of any release agents, sealers or paints, concrete laitance, patching compounds, dust, dirt, oils and any other contaminant that could act as a bond breaker. If necessary, mechanically prepare the floor to sound, solid concrete by shot blasting, grinding or similar. High-pressure (5000 psi) power washing may also be used to remove dust, dirt and debris, though the concrete must then be allowed to dry thoroughly before proceeding. Acid etching, adhesive removers, solvents and sweeping compounds are not acceptable means of cleaning the substrate. The use of sanding equipment is not an effective method to remove curing and sealing compounds. Clean debris out of expansion joints and tape or mask the joints to prevent DUNLOP CONCRETE RESURFACER from filling the joint. Use a lawn edger to clean around walkways, paths or driveways, as well as around planter boxes and landscaped areas. Substrates must be dry for a successful installation. The concrete substrate must be absorbent or porous to receive DUNLOP CONCRETE RESURFACER. Test this by sprinkling water on the surface. If the water readily soaks into the concrete, the surface is suitable for resurfacing. If water beads on the surface, the concrete is not suitable for resurfacing and the previous coating needs to be removed.

## CRACKING

### Joints and Moving Cracks:

Under no circumstances should DUNLOP CONCRETE RESURFACER be installed over any joints or any moving cracks. All existing expansion joints, isolation joints, construction joints and control joints (saw-cuts), as well as any moving cracks, must be honoured up through the topping by installing a flexible sealing compound specifically designed for use in moving joints. Failure to do so may result in cracking and/or disbanding of the topping. Even the slightest amount of movement in a control joint will cause the DUNLOP CONCRETE RESURFACER to show a hairline crack in a pattern reflective of the joint. ARDEX cannot be responsible for problems that arise from joints, existing cracks or new cracks that may develop after the system has been installed.

### Dormant Cracks:

Before proceeding with the application installation, all dormant cracks must be prefilled with a fully rigid, high-modulus, 100% solids material, such as DUNLOP ARDIT

CRACK FILLER. Please note that the repair material must be sand broadcast to refusal while still fresh and allowed to cure fully prior to removing all excess sand. The filling of dormant cracks as described above is recommended to help prevent the cracks from showing through the resurfacer. However, should movement occur, cracks will reappear.

## PRIMING

Prime the cleaned concrete surface with DUNLOP MULTI-PURPOSE PRIMER to reduce the potential for pin-holes and to extend the working time of DUNLOP CONCRETE RESURFACER.

## MIXING

Mix exactly 2.7 litres of water per 10kg of DUNLOP CONCRETE RESURFACER. Pour the powder slowly into a clean bucket containing the water whilst continually mixing with a low speed (650RPM) mechanical paddle mixer (not a spiral stirrer). Mix for approximately 2-3 minutes to achieve a smooth lump free mixture. Do not aerate the mix by over-mixing. The pot life of DUNLOP CONCRETE RESURFACER is approximately 30 minutes (at 23°C) in which time the product must be poured and spread. If the product begins to set in the bucket within this time, remix before using. Do not add more water! In warm weather, use cold water in the initial mix to extend the working time as higher temperatures will reduce workability and pot life. Store powder in the shade.

## PATCHING & FILLING

For minor patching, filling small holes, gouges or spalls (up to 25 mm diameter and 12mm deep), mix 4 parts powder to 1 part water by volume and apply to the prepared surface with a flat steel trowel or putty knife. Repair areas should be allowed to set firmly (30 to 45 min. at 21°C) before applying the finish coating. Cool ambient and surface temperatures will slow setting time. For larger or deeper repairs, use DUNLOP ARDIT CRACK FILLER.

## APPLICATION

1. Pour the mix onto an area of concrete and spread using a flat trowel, squeegee or broom onto the surface. Apply enough pressure to ensure good resurfacer-to-concrete contact. Maintain a "wet edge" during installation to help minimise natural colour variations that can occur between sections.





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2. Immediately apply a light broom finish for a slip-resistant surface. Working in areas small enough to permit finishing without walking on the freshly installed resurfacer.

3. DUNLOP CONCRETE RESURFACER has a working time of approximately 10 to 15 minutes, depending on surface and weather conditions.

4. On vertical surfaces such as walls or stairs, trowel or brush the resurfacer directly onto the prepared primed area. Smooth or brush the material to the desired finish.

For best results apply DUNLOP CONCRETE RESURFACER SEALER which is tintable to a range of popular colours to extend the life and protect the surface from wear and stains, so it looks better for longer. Avoid resurfacing your concrete when air or surface temperature is below 10°C (or is likely to go below 10°C before resurfacer can dry thoroughly) or above 35°C. Avoid resurfacing driveways and paths during the heat of the day. Do not resurface when dew or rain is likely within 6-8 hours, or when humidity is very high.

## FINISHES

The DUNLOP CONCRETE RESURFACER can be used with stencils and stamps to create a decorative effect.

## APPLICATION THICKNESS

Typical installation thickness ranges from 0.8mm to 3mm. Patching and repairs can be applied at a thickness of up to 12mm in small, well-defined areas (see Patching & Filling). Should a second coat be required, prime in-between coats with DUNLOP MULTIPURPOSE PRIMER and allow to dry.

## DRYING TIMES

As with any cementitious material, weather conditions can alter the appearance and performance of the resurfacer. Walk on in 2-4 hours and drive on in 16-24 hours. High temperatures will shorten drying time and low temperatures will extend drying times.

## COVERAGE

A 10kg bag of DUNLOP CONCRETE RESURFACER will resurface approximately 9m<sup>2</sup> at 0.8mm thickness or 2.4m<sup>2</sup> at 3mm thickness.

## PRECAUTIONS

Due to the nature of concrete, this product may have a varied colour appearance. This variation is dependent on amount of water, temperature and surface conditions. Do not apply over pebblecrete or exposed aggregate surfaces. This product is not intended for industrial uses such as heavy manufacturing or areas with heavy truck traffic. Do not use in fountains, inside swimming pools or in any areas

that will be submerged permanently. Do not mix with cement or additives. Observe the basic rules of concrete work.

## CLEAN UP

All tools should be cleaned with water immediately after use.

## SHELF LIFE

A shelf life of 12 months is expected when stored in a dry place in original unopened packaging.

## SAFETY DATA

Danger: The presence of cement in the product gives an alkaline mortar which may cause some irritation if prolonged contact takes place to skin, eyes and respiratory system. Use in a well ventilated area. Wear protective gloves, clothing, eye and face protection. Avoid inhaling dust. Wash immediately with plenty of water if material enters the eyes. Keep out of the reach of children. Call the Poisons Information Centre on 131 126 (Aus) and 0800 764 766 (NZ) or call a doctor if you feel unwell. Store locked up. Additional information is in the Material Safety Data Sheet MSDS/SDS at [www.dunlopdij.com](http://www.dunlopdij.com).

## Contains:

PORTLAND CEMENT, 65997-15-1, 30-60% GRADED SAND, 14808-60-7, 30-60 %

## USER NOTES

The technical details and recommendations contained are given in good faith and represents the best of our knowledge and experience at the time of printing. It is the responsibility of the user to ensure that the products are used in accordance with Dunlop product instructions and in applications for which they are intended.

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