



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. DUNLOP 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 MULTIPURPOSE 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 23°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 overcoat resurfacer with 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 9m² at 0.8mm thickness or 2.4m² at 3mm thickness.

CLEAN UP

All tools should be cleaned with water immediately after use.

SHELF LIFE

12 months when stored in the original unopened packaging, in a dry place at 23°C and 50% relative humidity.

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.

Pay attention to the following

Before any substrate preparation, installation or finishing methods relating to ARDEX product are undertaken, please be aware of any potential risks and use appropriate PPE (personal protective equipment). This may involve contacting substrate manufacturers for Safety Data Sheets.

SAFETY DATA

This product may cause irritation and an allergic reaction to the skin. It may cause serious eye injury and irritation to the respiratory system. In case of contact with the eyes rinse with running water until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Wear protective gloves, clothing, eye and face protection. Avoid inhaling dust/fumes/gas/mist/vapours/spray. Ensure adequate ventilation during mixing and application. Store locked up. Check with your local Council regarding the disposal of contents. 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. At times updates can occur to data. For additional information and to ensure you have the most current technical and safety information please consult the latest safety data sheets (SDS) and technical data sheets found on the product page at www.dunlopit.com.



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10 YEAR GUARANTEE

Ardex Australia Pty Ltd ("we" or "us") guarantees this product (also referred to as "our goods") is free from manufacturing defects and will perform to any applicable specification published by us for 10 years from the date of application of the product if such application occurs within this product's specified shelf life. Our liability under this guarantee is limited at our option to replacement of the product, repair of any damage to the immediate surface or area of application of the product, or the cost of such replacement or repair, in each case if we are satisfied loss or damage was due to a breach of this guarantee. This guarantee does not apply if damage or loss is due to failure to follow our published instructions or any act or circumstance beyond our control, including shade variations and efflorescence and faulty workmanship on the part of any installer or applicator of the product. If you wish to make a claim under this guarantee you must notify us (Address: 7/20 Powers Road Seven Hills NSW 2147; Phone: 1800 222 841;

Email: technicalservices@ardexaustralia.com), identify the product and provide evidence of your purchase and the subsequent application of the product within 30 days of any alleged loss or damage occurring. We reserve the right to ask you for satisfactory evidence of any alleged loss or damage and to undertake any inspections and tests necessary to establish your rights under this guarantee. Any claim under this guarantee is at your cost. This guarantee is in addition to any rights or remedies you may have as a "consumer" under the Australian Consumer Law and to that extent you need to be aware that: "Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss of damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure".

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 Australian Standards. Our instructions and recommendations are only for the uses they are intended. Users are advised to confirm that this product is suitable for their application and conforms with the specifications of the system being employed and other products in that system. 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 affect 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.

This datasheet was issued in January 2021 and is valid for 3 years, unless updated sooner. Always refer to www.dunlopit.com for the latest technical data from ARDEX Australia Pty Ltd.