

DegafloorNZ > Reinstatement Specification.

DEGAROUTE® 485 Pothole & Concrete Repair System.

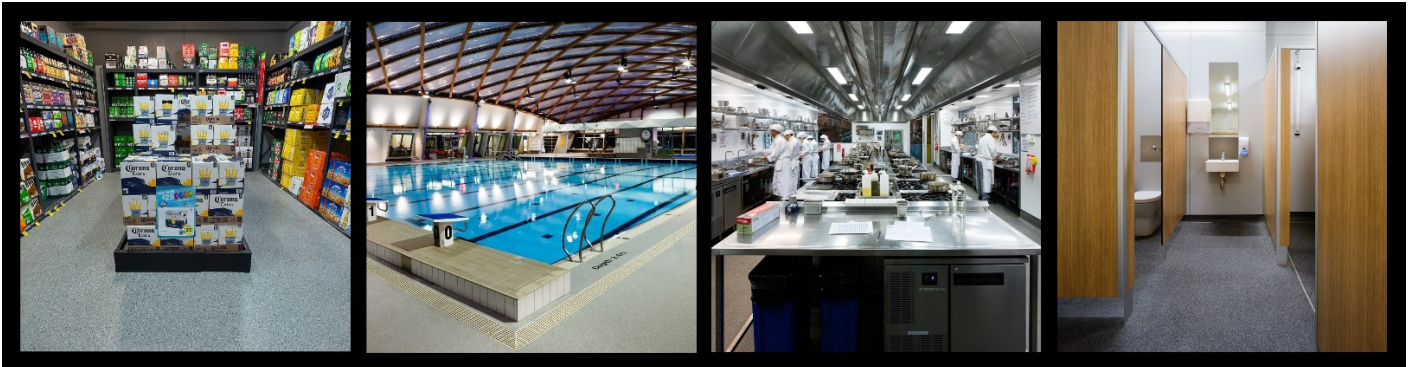
Specifier:	DegafloorNZ & Topcoat Ltd.
Project & Address:	77 Broadway, Newmarket
Colour:	N/A
Date:	1 October 2021
Project Notes:	Potholes and surface degradation to be repaired with PRS as per this specification, then the DEGADUR® Traffic system is to be applied to the entire area.

OVERVIEW.

This specification is for the application of the DEGAROUTE® 485 (PRS) Pothole Repair System used to repair and reinstate damaged concrete slabs, repair potholes in concrete or asphalt roadways or to adhere bridge joints. The DEGAROUTE® 485 system is intended for use in areas subject to heavy mechanical vehicular load. The thickness will vary depending on specific requirements but can be laid from 5mm to 150mm in a single application. It can be finished with or without an anti-skid friction coating.

Rapid Return to Service: DEGAROUTE® resins have the unique ability to cure at temperatures as low as -10°C and up to +60°C, therefore extreme temperature installations can be accommodated for by adjusting the catalyzing formula to ensure minimal change in the curing time.

Full chemical cure is achieved in approx. 60 mins enabling a working environment to be returned to service almost immediately.



SURFACE PREPARATION.

Responsibility.

All work in this section shall be the responsibility of the DegafloorNZ Registered Applicator.

Onsite Equipment.

Ensure all necessary equipment is on site, such as calibrated scales, air flow equipment, mixers etc. Calibrated weighing scales are required for **precise measured quantities** of resin and catalyst.

The installation process requires air movement to facilitate curing. If air movement is limited, fans are required to create air flow. Air flow equipment is also used to assist in extraction of odour to an appropriate outlet.

During the brief curing process, Methyl Methacrylate resins emit an odour and ventilation is suggested when working in confined spaces or populated areas to disperse the vapour.

Concrete Surfaces.

Ensure surfaces are thoroughly dry before applying the specified system. The moisture content of the concrete at surface level must be no more than 4% moisture content or 75% Relative Humidity.

Cut perimeter of loose or broken concrete with diamond saw and remove loose and broken material back to sound substrate.

Thoroughly vacuum all dust and debris.

Asphalt Surfaces.

For new asphalt surfaces, diamond grind the surface to remove the oily residue that is present in new asphalt. 25 grit diamond pads will generally be suitable for this process.

Weathered asphalt will generally not require grinding. Pressure wash to remove any surface debris and contamination before application of the Degaroute repair formulation.

Application & Materials:

DEGADUR® Primer 112 or 111 for concrete	DEGADUR® Crack Sealer
DEGAROUTE® 485 465	Accelerator 101
BPO Hardener	Degafloor NZ Fillers Aggregates

NOTE: All DEGADUR® resins must be kept and mixed at the same ambient temperature as the location of installation to prevent a premature reaction.

DEGADUR® 112 Primer for concrete surfaces

For damp concrete use 111 - Add 1Kg of F111 Filler per 1.86Kg of 111 resin. Consumption 0.6Kg/m².

Prime prepared surfaces with selected DEGADUR® primer using a brush. The consumption rate will vary depending on the surface texture of the hole to be filled and the absorbency but allow **0.4Kg per m²** as a minimum.

Application in minus (-) temperatures requires the use of Accelerator 101. Refer to DEGADUR® low temperature guide.

***Asphalt surfaces do not require a primer but must be free of contamination and loose debris.**

DEGAROUTE® 485

Mix DEGAROUTE® 465 or 485 formula based on 20% resin to 80% filler by weight, mix with appropriate hardener percentage and apply the catalyzed resin to the affected area(s).

Note: Once fully cured and all heat has dissipated, an application of DEGADUR® 465 can be applied for an improved aesthetic finish if necessary.

RETURN TO SERVICE TIME.

The DEGAROUTE® Repair System is ready for light traffic one (1) hour after the final application of sealer and ready for full mechanical loading two (2) hours after the final application of sealer.

MAINTENANCE.

This DEGAROUTE® system should be cleaned using fresh water not exceeding 60°C with a neutral detergent solution. Scrubbing or power washing yield the best results. **Mopping is less effective** at removing grime and is not recommended. Dirty water to be squeegeed to drains or wet vacuum removed.

Annual inspections should be carried out so any mechanical or physical damage can be addressed. The system is easily repaired, new DEGAROUTE® layers chemically fuse to existing layers indefinitely. Areas that are identified as damaged should be immediately rectified to the original specification standard to maintain system integrity and stop any substrate corrosion.

Certain substances such as iodine and turmeric can cause staining. This is an aesthetic issue but does not affect the performance or functionality of the floor and is therefore not considered a defect or warranty issue.

The use of solvents or abrasives is not recommended. Any resulting damage will not be covered under the warranty. Contact Degafloor NZ for a Cleaning & Maintenance guide.

SLIP RESISTANCE.

Degafloor NZ can offer various aggregates to achieve a non-skid surface, please contact us for information.

COLOUR

Black for asphalt or 465 sealer coat can be tinted grey for concrete surfaces where required.

WARRANTY

The DEGAROUTE® Repair System described in this specification is warranted for **one (1) year** from the date installation is completed. Regular maintenance and damage rectification are essential to maintain the warranty. Structural movement is not covered within the warranty.

Such a warranty is issued by the DEGAFLOOR NZ applicator carrying out the work, and is backed by the manufacturer as to the suitability for use of the material supplied, provided that:

- A.** All specified work is carried out by an approved Degafloor NZ applicator who must complete the DEGADUR® Flooring Compliance Form and DEGADUR® PS3 Workmanship Warranty.
- B.** All work is carried out in accordance with this specification, or any written amendment issued by the manufacturer.
- C.** Degafloor NZ must be informed of any usage conditions that may affect the warranty. Special conditions may be applied where service or usage conditions involve any one of the following: severe mechanical abrasion, excessive impact, extreme temperature, and/or chemical spillage.