

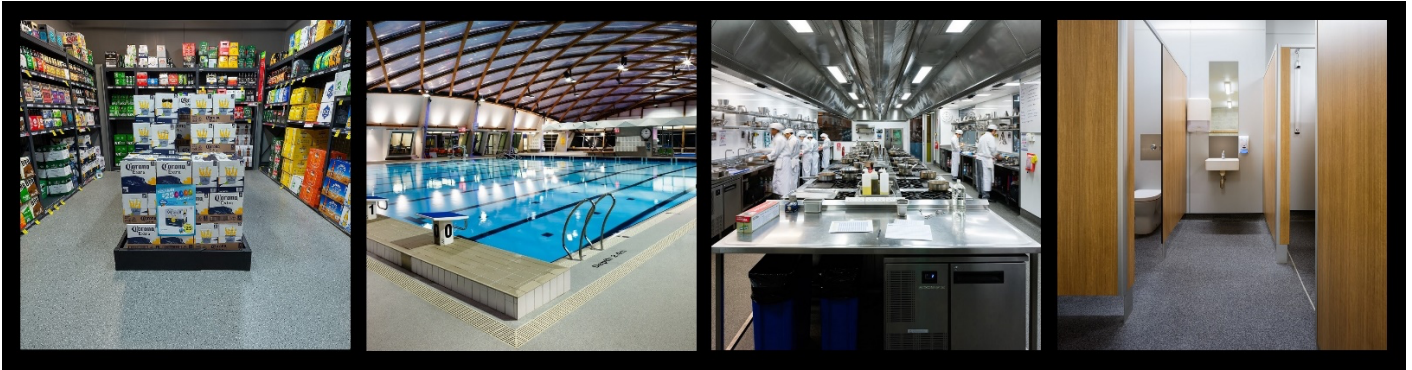
# DegafloorNZ > Sto WL 150 Coating Specification

TRANSPARENT MATTE EPOXY COATING FOR SEALING CONCRETE SUBSTRATES.

<b>Specifier:</b>	
<b>Project &amp; Address:</b>	
<b>Colour:</b>	
<b>Date:</b>	
<b>Project Notes:</b>	

## OVERVIEW.

This specification is for the application of the Sto WL 150 transparent coating system applied over concrete substrates. WL 150 is suitable for use in automotive workshops, aircraft hangars, warehouses or similar that require a durable scuff resistant protective coating.



## PROPERTIES.

- Vapour permeable
- Very good adhesion to the substrate
- Good resistance to abrasion
- Low VOC emissions

### Surface Preparation.

To facilitate cleaning and meet health and safety requirements, all surfaces leading to drains and gutters must be laid with appropriate falls to ensure they are free draining to mitigate ponding. All control joints are to be as specified and detailed by the engineer. All surfaces must be clean and free from grease, grime, oils, release agent or any other contaminants.

### Concrete Surface Preparation.

Concrete substrates shall have a surface which has been manually or mechanically trowelled or floated to an NZS 3114:1987 U3 finish. Concrete shall be cured for a minimum of 28 days prior to the installation of the selected DegafloorNZ Flooring System.

The slab moisture content shall be no greater than 4% or 75% RH ~ If this moisture content cannot be achieved, contact DegafloorNZ for an alternative solution. Applying DegafloorNZ flooring systems over green concrete is not advised.

### Cracks

Fill any fine cracks that are not subject to continuing movement with cracks with DEGADUR® Crack Sealer. Allow to dry minimum (1) hour and grind back as necessary to match the existing concrete profile. In the case of porous concrete or extensive micro cracking a coat of DEGADUR® Crack Sealer can be used to condition the surface, but the sealer must not be left to pond.

Prepare the existing floor screed or surface by mechanical Diamond Grinding with vacuum attachment, to provide a surface not coarser than 50# or CSP2.

Care shall be taken not to leave grinding tracks as these may mirror through the finished floor. A planetary grinder is recommended. Thoroughly vacuum with an industrial machine to remove all remaining dust from the grinding process.

### Rising Damp

If the concrete surface is affected by rising damp, apply a coat of Sto EH 200 leveler and moisture barrier.

**STO WL APPLICATION & MATERIALS:**

WL 150 Parts A & B	Degafloor Anti-Slip aggregates 0.8mm
EH 200 Self Leveller & Moisture Barrier	DEGADUR® Crack Sealer   BPO Hardener

**Note:** Lowest application temperature: +10°C Maximum relative humidity 75%, Highest application temperature: +30°C, Maximum approved relative humidity 85%.

**Primer.**

Prime newly prepared surfaces with WL 150 diluted by 15% with clean water.

**2<sup>nd</sup> coat.**

Apply full undiluted 2<sup>nd</sup> coat of WL 150 (add Degafloor anti-slip aggregates if required)

**3<sup>rd</sup> coat.**

Prior to starting, ensure all loose anti-slip aggregate is vacuum removed.

Apply full undiluted 3<sup>rd</sup> coat of WL 150 to entire surface. (add anti-slip aggregates if required).

Consumption: 0.15 - 0.25 kg/m<sup>2</sup> per application cycle depending on porosity of substrate.

Allow a drying time of 16 hours between coats at 20°C and 24 hours from 10°C.

**Return to Service.**

Sto WL Coating Systems are ready for light foot traffic 16 hours after the final application [at 20°C] and ready for full use after a 7-day curing period. If applied in lower temperatures longer cure times may need to be observed.

**Maintenance.**

The StoFloor Coating System should be cleaned using warm water with a neutral detergent solution.

Light scrubbing will yield the best results. **Mopping is less effective** at removing grime and tends to leave tide marks, it is not recommended. Dirty water to be squeegeed to drains or wet vacuum removed.

**Slip Resistance.**

By default, Sto WL coatings are smooth however anti-slip aggregates can be included where a slip resistant surface is required.

**Colour.**

Transparent | Matte.

**Pricing | Applicators.**

For a list of registered applicators, contact Matthew Collie on 027 238 2955 or email [matt@degafloor.nz](mailto:matt@degafloor.nz)

**Warranty.**

The Sto WL Coating System described in this specification is warranted as fit for the purpose for **two (2) years** from the date installation is completed. Regular maintenance and damage rectification are essential so as not to void the warranty. Structural movement is not covered within the warranty.

Such a warranty is issued by the DegafloorNZ 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 DegafloorNZ applicator who must complete the DegafloorNZ Flooring Compliance Form and PS3 Workmanship Warranty.
- B.** All work is carried out in accordance with this Specification, or any written amendment issued by DegafloorNZ.
- C.** Special conditions may be applied where service or usage conditions involve any one of the following: severe mechanical abrasion, excessive impact, extreme temperature, and chemical spillage. It is the responsibility of the applicator and/or client to inform DegafloorNZ of any usage conditions that may impact the floor coating.