

DURACON SL FLOORING SYSTEM

A self levelling coating - smooth finish

November 2024

PURPOSE AND AREAS OF USE:

Equus Duracon SL Flooring is a durable flooring system recommended for light to medium loaded industrial floors requiring a smooth surface. The coating is internally bonded to the substrate during application and is suitable for new or recoated concrete and cementitious surfaces.

Duracon SL is fast-curing and has a slip resistance of 2-4 mm.

PRODUCT:

The system encompasses the products below. Refer to details below and the standard Equus specifications for full specification information.

Duracon 107	Duracon 108	Duracon BFK
Duracon 205	Duracon 223	Duracon 307
Duracon 319	Duracon Catalyst	Duracon SNL Powder
Sand for broadcasting		

COLOUR:

Topcoats can be tinted to match any colour chart.

SCOPE OF USE:

Duracon SL can be used over new or existing concrete or cementitious flooring in a variety of applications. Especially suitable for use in facilities such as food processing plants, dairy facilities, commercial kitchens, bathrooms and ablution blocks.

CONDITIONS OF USE:

The total operating temperature must not exceed 65°C. If this is the case Equus can help you find an alternative solution such as the Duracon BC or Monopur SL Flooring System.

Duracon SL Flooring must be installed by an Equus Certified Applicator and installed in accordance with the correct specifications and substrates mentioned in this TDS, or in other Equus approved technical documentation.

BUILDING CODE COMPLIANCE:

B2 Durability - B2.3.1(c) In-service history shows Duracon SL has a durability of at least 5 years when installed with the correct specification, installation and maintenance.

C3 Fire affecting areas beyond the fire source - C3.4(b) Duracon SL test data together with in-service history of the correctly installed system show that the product limits the probability of fire spreading throughout the building. See CSTB Fire Classification.

D1 Access routes - D1.3.3(d) Duracon SL complies with D1/AS1 on level surfaces, and on sloping surfaces and stairs.

F2 Hazardous building materials - F2.3.1 Well known experience with the type of materials used together with in-service history, show that Duracon SL complies with this performance requirement. Refer to SDS at www.equus.nz

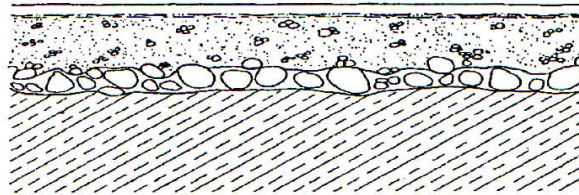
G3 Food preparation and prevention of contamination - G3.3.2(a), G3.3.2(b) Duracon BC Flooring System complies with G3/AS1 in food processing and preparation areas.

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STRUCTURAL SCHEME:



PRIMING:

For concrete and cementitious screed	Duracon 108	0.3-0.5 kg/m ²
For metal and tile substrates	Duracon 107	approx. 2.5 kg/m ²
Duracon Catalyst (powder)		2.0% ¹⁾
Sand for broadcasting in fresh layer		
If applying a scratch layer: natural quartz sand (0.7-1.2mm)		approx. 0.3 kg/m ²
Without applying a scratch layer: natural quartz sand (0.3-0.7mm)		approx. 0.3 kg/m ²

COVING:

Height: 5cm		
Duracon BFK		approx. 0.5 kg/m ²
Duracon Thixotropic Agent		approx. 18 g/m ²
Duracon Catalyst (powder)		2.0% ¹⁾
Duracon Pigment (pigment powder, RAL) PVA Colour Chips		approx. 50 g/m quantity depends on design

SCRATCH LAYER (as required for heavy duty application):

Thickness: 2-3 mm		
Duracon 205		approx. 1.3 kg/m ²
Duracon Catalyst (powder)		2.0% ¹⁾
Natural Quartz Sand (0.7-1.2 mm)		approx. 3.5 kg/m ²
Sand for broadcasting in fresh layer: approx. 30 g/m ²		
Natural Quartz Sand (0.3-0.7 mm)		0.5 kg/m ²

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COATING (wear layer):

Self levelling coat, thickness: approx. 2 mm	
Duracon 205	approx. 1.2 kg/m ²
Duracon Catalyst (powder)	2.0% ¹⁾
Duracon SNL Powder	approx. 2.4 kg/m ²
Duracon Pigment (pigment powder, RAL) PVA Colour Chips	approx. 30 g/m ² quantity depends on design

TOPCOAT:

Duracon 307/319	1 coat	approx. 0.25 kg/m ²
Duracon 307/319	2 coat	approx. 0.2 kg/m ²
Duracon Catalyst		1.5% ¹⁾

The given amounts of resin and quartz sand are average values. The exact consumption depends on substrate conditions. With porous substrates a second prime coat may be required.

1) The required amounts of Duracon Catalyst are mentioned in percent by weight (related to resin amount). These amounts refer to application at +20°C.

For full details please refer to the relevant Technical Data Sheet and general preparation and application guidelines for Duracon floor protection systems.

SUPPORTING DOCUMENTATION:

Title (type)	Version	URL
Technical Datasheets for products listed on page 1 of this document.		Technical datasheets can be found on https://equus.nz .
CSTB Fire Classification	June 2007	www.equus.nz/content/reports/cstb-fire-classification-duraconbc-RA07-0256.pdf

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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MANUFACTURERS CONTACT DETAILS:

Manufacture location	New Zealand
Legal and trading name of manufacturer	Equus Industries Ltd.
Manufacturer address for service	4 Sheffield Street, Blenheim 7274
Manufacturer website	www.equus.nz
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Manufacturer NZBN	9429032000306