

# GeN2<sup>®</sup> Focus2

Your residential and commercial solution

New Zealand

## BENEFITS

Ideal elevator solution for low to mid-rise residential and commercial buildings

Machine-roomless sleek architectural design

Exceptionally quiet

Smooth and comfortable ride, excellent levelling

Quality finishes

Energy efficient due to GeN2<sup>®</sup> technology and a ReGen<sup>®</sup> drive system

Streamlined installation by Otis installation experts



The GeN2<sup>®</sup> Focus2 machine-roomless elevator system is designed for low to mid-rise residential and commercial buildings. Utilising the revolutionary GeN2<sup>®</sup> operating system and coated-steel belts this elevator will provide exceptionally quiet operation.

## FEATURES

### Revolutionary design and technology

The hallmark of the GeN2<sup>®</sup> technology are the lightweight, flexible reinforced steel belts, enveloped in a tough polyurethane jacket. These improve traction, require no lubrication, are up to 20% lighter and last up to three times longer than conventional ropes<sup>1</sup>.

### Experience the quiet ride

Design elements including the coated steel belts, rubber isolating padding and exceptionally quiet controller shields passengers from noise when gliding up and down. These differentiating features makes the GeN2<sup>®</sup> Focus2 one of the quietest machine-roomless systems produced to date.

### Reliable, efficient and clean

The GeN2<sup>®</sup> system represents another step forward in Otis' commitment to develop products that are less harmful to the environment. The belts, gearless machine and the disc brakes do not require the addition of oil or grease once in service. The synchronous permanent magnet machine is one of the most efficient motor types of gearless machines around. Reliability and efficiency is also enhanced by use of a maintenance-free disc brake.

To further improve energy efficiency the GeN2<sup>®</sup> Focus2 now includes a ReGen<sup>®</sup> drive system which reduces energy usage by capturing the energy normally dissipated as heat during braking. The ReGen<sup>®</sup> drive feeds this energy back into the building's internal electrical grid for use by other building systems, such as adjacent elevators and lighting. The result is increased efficiency and a reduction of excess heat in the building. When used in conjunction with a GeN2<sup>®</sup> elevator, ReGen<sup>®</sup> drives can save up to 70% of the energy normally used to propel the elevator car compared to conventional systems.

1. Based on Otis highly accelerated life testing

Otis' commitment to the environment is also demonstrated by our elevator manufacturing centre in Tianjin China which is designed to the US Green building Council's LEED gold standard. It makes effective use of recycled water and uses 25% less energy compared to conventional construction method and materials and this provides environmental benefits throughout the life of the building.

### Intelligent technologies

The Otis dispatcher reduces waiting time by selecting the most eligible car to answer a call. It analyses a set of parameters based on response-time estimates and ideal group-control practices.

The Otis remote elevator monitoring system is one of the most advanced of its kind for ensuring reliability. Twenty-four hours a day, the system monitors elevator functions - detecting deteriorating components and intermittent anomalies. It provides two-way voice communication between passengers and trained Otis personnel at the OTISLINE<sup>®</sup> 24-hour Customer Care Centre.

### Safety first

Extremely accurate floor levelling, independent of load.

Lamda LC sensor system entrance protection reopens the elevator door if an object is detected.

The secure Emergency and Inspection Control Panel allows an Otis technician to gain control of the car and guide it safely to the next landing. One panel contains all the functions needed for a trained technician to control the elevator.

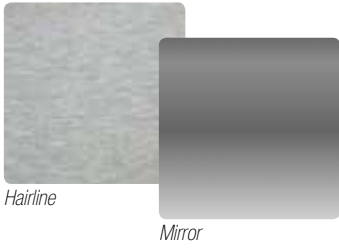
GeN2<sup>®</sup> Focus2

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**FINISHES AND CEILINGS**

**Car Enclosure Finishes  
Stainless Steel**



**Car Enclosure Finishes Customised  
Laminates**

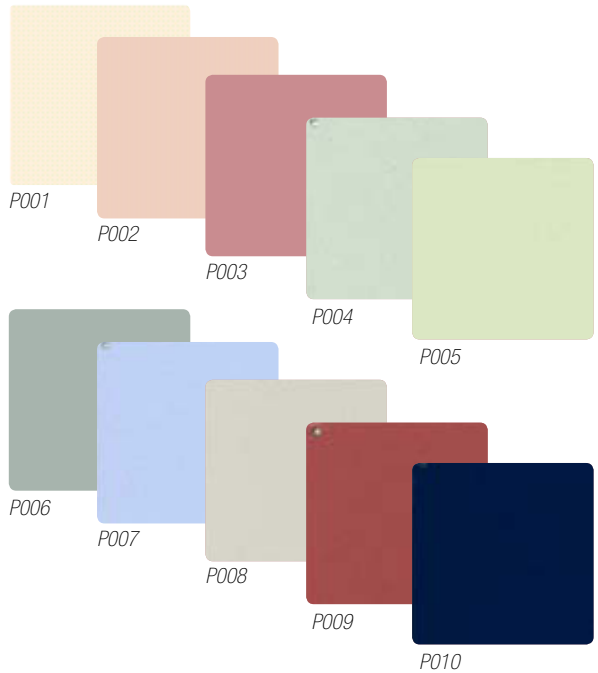
A range of customised laminate finishes are available upon request using local vendors. This allows a fully customised option for premium buildings or where a specific architectural finish is required. Ask your Otis consultant for details and prices. The range below is a small sample of what is possible.



**Car Enclosure Finishes  
Etched Stainless Steel**

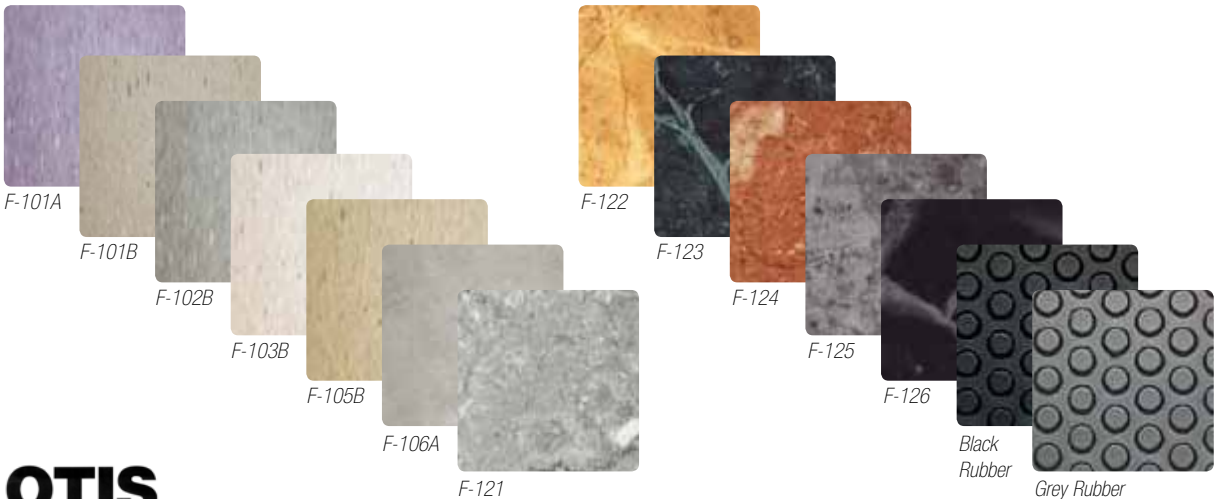


**Car Enclosure and Door Finishes  
Painted Steel Colours**



Note: 1. actual colours may vary to what appears printed  
2. Car Door and Entrance Finishes are Hairline Stainless Steel or painted only

**Flooring Options**



## Ceilings

No.		Lighting Type	Hairline Stainless	Bronze Hairline Stainless	Mirror Stainless	Painted
CE43		Fluoro	-	-	-	White
CE44		Halogen	-	-	-	Black
CE52		Fluoro	-	-	-	White
CE53		Fluoro	-	-	-	Black
CL-51A		Fluoro & Halogen	Yes	Yes	Yes	Yes <sup>++</sup>
CL-51B		Fluoro	Yes	Yes	Yes	Yes <sup>++</sup>
CL-52		Fluoro & Halogen	-	-	Yes	Yes <sup>++</sup>
CL-55		Fluoro & Halogen	Yes	Yes	Yes	Yes <sup>++</sup>
CL-56		Fluoro & Halogen	Yes	Yes	Yes	Yes <sup>++</sup>
CL-57		Fluoro & Halogen	Yes	-	Yes	Yes <sup>++</sup>
CL-58		Fluoro & Halogen	Yes	-	Yes	Yes <sup>++</sup>
CS-G		Fluoro	-	-	-	Yes <sup>++</sup>

<sup>++</sup>Choice of colours P-001 through P-010

## Landing Fixtures "SELECT" Range



Hall Position Indicator Vertical



Hall Position Indicator Horizontal



Combined Hall Button and Hall Position Indicator



Combined Hall Button and Hall Position Indicator Duplex



Hall Buttons



Hall Lantern



COP with Car Position Indicator (16 Segment red LED display)



Note: COP's and landing fixtures are supplied when requested with mirror chicklets to meet disabled code requirements.

### SPECIFICATION

Load Capacity	kg	630	800	860	1000	1000	1275
Passenger capacity		8	10	11	13	13	17
Car dimensions	Config	Deep car	Wide car	Wide car	Wide car	Deep car	Deep car
	Width mm	1100	1350	1400	1600	1100	1450
	Depth mm	1400	1400	1400	1400 **	2100	2000
Speed	m/s	1.0 / 1.6	1.0 / 1.6 / 1.75	1.0 / 1.6 / 1.75	1.0 / 1.6 / 1.75	1.0 / 1.6 / 1.75	1.0 / 1.6 / 1.75
Maximum rise	m	40 / 75	40 / 75 / 75	40 / 75 / 75	40 / 75 / 75	40 / 75 / 75	40 / 75 / 75
Maximum no. of stops		14 / 21	14 / 21 / 21	14 / 21 / 21	14 / 21 / 21	14 / 21 / 21	14 / 21 / 21
Door opening width	mm	800 / 900 centre opening	900 centre opening	900 centre opening	900 centre opening	900 centre opening	900 centre opening
ReGen® drive		Yes	Yes	Yes	Yes	Yes	Yes
Stretcher capacity		No	No	No	Yes	Yes	Yes
Thru car ++		No	Yes	Yes	Yes	Yes	Yes

\*\*Stretcher Capacity available, please add 520 mm to the depth.

++All through car configurations are limited to a maximum of 16 hoistway entrances

Emergency & Inspection Control Panel Dimensions (mm) 540H x 210W x 90D