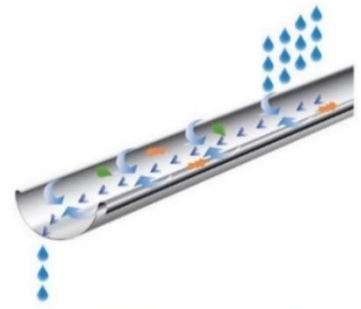


## European Gutters Value Proposition:

This document provides an overview of the Lindab Gutter System from European Gutters Ltd (EGL) and highlights the advantages of this system over conventional guttering. Lindab is a Swedish company that started in 1956 and it is today one of the world's leading gutter manufacturers. They export to over 30 countries and are renowned for their quality and innovation.



### High capacity modular 150mm half round Gutter;

The Lindab Gutter System uses high-capacity, half-round gutters coupled with the equally high capacity 87mm .60 gauge zinc coated steel downpipes that allow water to flow more freely. This helps to eliminate the build-up of debris that can cause regular gutters to become blocked and overflow.

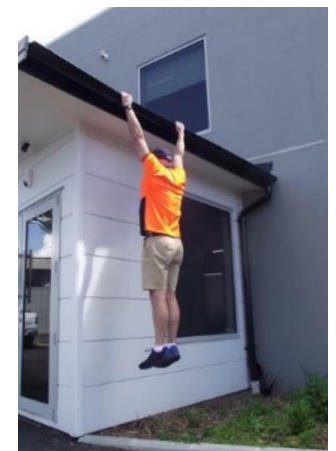


Gutter Product;	Capacity vs Stormcloud;		Downpipe;
Marley Stormcloud (123mm)	5,100mm <sup>2</sup>	0%	80mm
Marley Typhoon (133mm)	6,100mm <sup>2</sup>	+20%	80mm
Lindab (150mm)	8,900mm <sup>2</sup>	+75%	87mm

### Guttering designed for heavy rain;

The Lindab gutter is also designed with a 6mm lower front than the back so that excess water flows over the front edge of the gutter and away from the house, rather than back towards the property. This unique system helps prevent damage to external cladding in the event of heavy rainfall or a gutter blockage.

The New Zealand Building Code requires water from guttering to flow away from the property. (E2/AS1 8.1.6(f)) The Lindab Gutters Overflow System ensures that water does not flow into the building in the event of a blockage or heavy rainfall.



### Self-Cleaning Downpipe Diverters;

European Gutters use the In\Out Debris Diverter on all downpipes which enter the stormwater system. Downpipe Diverters help to ensure that downpipes and drains stay free of blockages and stop debris from entering and polluting the storm water system.

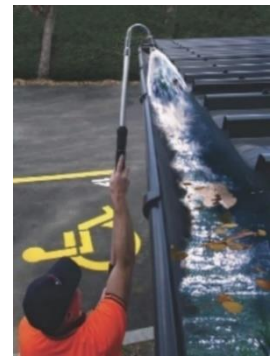
The In\Out Debris Diverter also uses a customised sleeve to allow roofs and gutters to be cleaned without polluting the storm water system. This easy-to-use system allows work to be carried out quickly and efficiently, while complying with the Resource Management Act.



### **External Brackets for better flow and easier cleaning;**

External brackets allow debris to flow more freely through the gutters and enable safe and easy cleaning to be carried out from ground level using a hose and wand system.

Cleaning gutters regularly is recommended in areas with mature trees and where plant growth is a problem. Cleaning properties from ground level is the only cost-effective maintenance option for the increasing number of multi-storey houses.



### **Robust zinc-coated steel Gutter & Bracket System;**

The Lindab gutter is made from .60 gauge zinc-coated steel, which provides it with added strength and minimises the damage caused by ladders. The robust bracket system also helps to make sure the gutter stays in place when overloaded by debris, heavy rainfall and blockages.

### **Easy installation and maintenance;**

Lindab Gutters use a modular clip lock system with EPDM seals and one-piece corners. No rivets or silicone are used during installation. This easy-to-use system allows for leak-free installation and the simple replacement and maintenance of the product once installed.

The steel is coated on both sides by a high-build polyester coating that has been UV tested to New Zealand standards and which provides exceptional durability. The only maintenance required is an occasional wash down.

### **Sustainability and the Environment;**

Lindab Gutter products are certified under the ISO 14001 Environmental Management system and are made from up to 30% recycled steel.

Steel has the lowest carbon footprint of any rainwater material and there are metal recycling companies throughout New Zealand which will accept metal gutters and downpipes in any condition. However, this won't be any time soon, as Lindab report that the functional integrity of their system can last in excess of 70 years.

### **Roof Access Safety Considerations**

Extreme weather events, uncontrolled organic growth and windblown debris can lead to roof and gutter maintenance issues and cause leaks over time. The Lindab Ladder Bracket is a colour coated product that can be permanently mounted on to the gutter at the safest access point.



### **Advantages of wooden fascia;**

EGL actively promote the use of a wooden fascia with the Lindab Gutter System, as it has over twice the life of metal fascia. Wooden fascia also requires less maintenance and can easily be repaired and replaced by the metre.