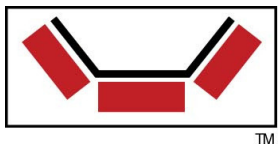




Design
Engineer
Innovate

Conveyor Skirting



DYNA Engineering

Your Conveyor Partner

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Conveyor Skirting

Conveyor skirting is an essential part of conveyor operations. The conveyor skirt creates a seal between the conveyor structure and the conveyor belt to suppress dust and reduce material wastage.

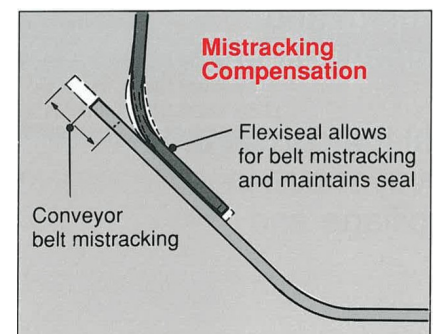
Flexiseal® Conveyor Skirting

Flexiseal® conveyor skirting has been especially designed to create an effective seal between the conveyor structure and conveyor belt. There are some unique features which makes Flexiseal® superior to conventional conveyor skirting.

Features

Dynamic System

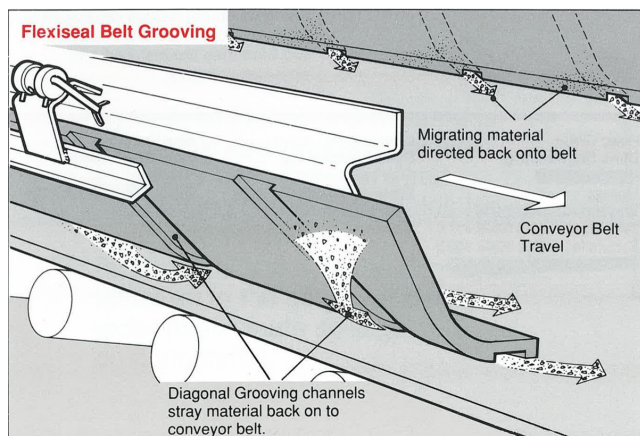
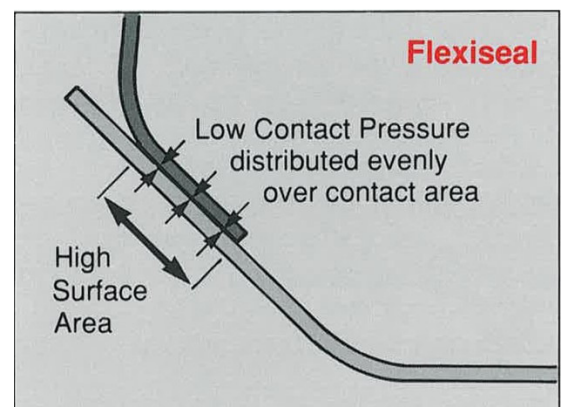
A common issue with conventional skirt seal systems is that they fail to maintain an effective seal with the belt. Flexiseal® is a dynamic system that automatically compensates for loaded and unloaded conveyor belt profiles, both horizontal and vertical belt movement, and belt mistracking, allowing it to maintain consistent contact with the conveyor belt and sustain an effective seal.



Automatic Pressure Control Mechanism

Conveyor belt wear is a common issue that plagues conventional skirting systems. It is easy to over tighten conventional systems which puts undue pressure on the conveyor belt and results in an increase in the wear of the conveyor belt. Flexiseal® incorporates an automatic pressure control mechanism which maintains the correct pressure of the skirting rubber on the conveyor belt. This makes it impossible to over-tighten the skirting.

Consistently maintaining the correct pressure, combined with its high surface area and evenly distributed contact area, greatly reduces conveyor belt wear within the sealing area.



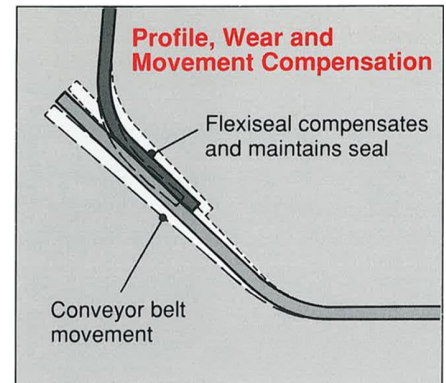
Diagonal Grooving Channels

With its specially designed diagonal grooving channels, Flexiseal® reduces stray material which can become trapped under the skirting system, and transports it back to the conveyor belt. This helps reduce damage to the conveyor belt, as entrapped material can cause abrasive wear and grooving. This is a particular issue when conveying hard and abrasive material.

No Adjustments Required

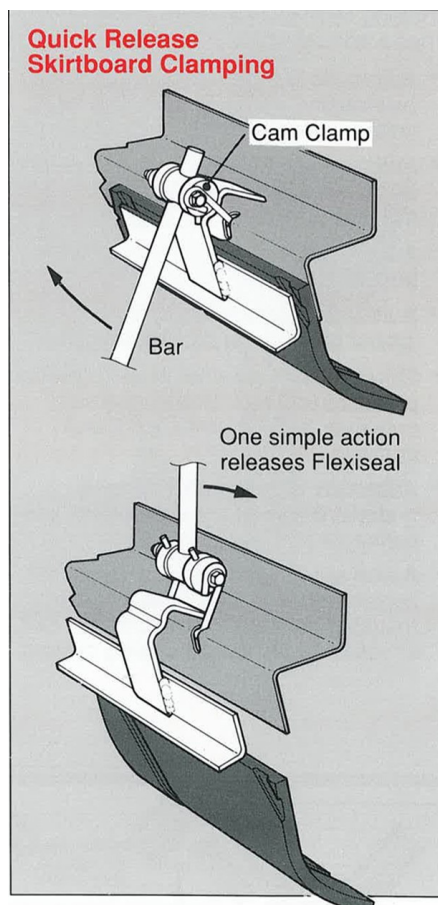
On conventional skirting systems, frequent adjustments are required to keep the skirting rubber in proximity of the conveyor belt to maintain the seal. As the skirting rubber and conveyor belt rub together, a groove begins to wear into the belt.

Flexiseal® does not require any adjustments due to its dynamic design. The curved rubber sections maintain contact with the conveyor belt regardless of seal wear, belt sag, belt condition or belt mistracking.



CAM LOC Clamping

Flexiseal® has been designed with our unique CAM LOC clamping system which features tempered steel spring clamps that eliminate all direct threaded fixings. The CAM LOC system allows very easy seal replacement while securely clamping the sealing element.



Quick Release System

Flexiseal® has been designed to be as low maintenance and simple as possible. On conventional skirting systems, fasteners are required to keep the skirting in place. Fasteners frequently seize, cause material build-up, rip and tear off.

Our design uses a patented quick release clamping mechanism incorporating a CAM to securely hold the rubber seal in place.

When the seal eventually wears out, the quick release clamping systems allows the new rubber strip to be inserted and clamped in position without any adjustments.

There is no need for any adjustments to be done to the seal or system.

Spare Parts Optimisation

Flexiseal®'s components are standardised for all conveyor skirtboard systems, regardless of conveyor belt troughing angles.

Construction

Flexiseal® is available in standard zinc plated steel (or optional stainless steel) in standard 1500mm long sections. Special sections can be ordered to suit any application. For more information, please contact a DYNA Engineering representative at dyna@dynaeng.com.au

Flexiseal® Skirting Rubber

Flexiseal® utilises double-grooved 12x200mm rubber and comes in 30m lengths. Single-sided left and right grooved rubber is also available on request. All Flexiseal® skirting rubber is 50-60 Shore A hardness.

Flexiseal® Skirting Rubber Part Numbers

Part No.	Description
01-13-1499	Double Groove 12x200mm 30m
01-13-1499-SINGLE L	Single Groove (Left) 12x200mm 30m
01-13-1499-SINGLE R	Single Groove (Right) 12x200mm 30m

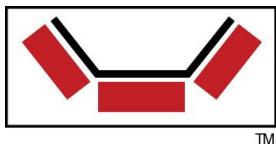


All Flexiseal® modules contain the necessary mounting plates, kits, and skirting rubber.

Module Part Numbers

Part No.	Description
01-13-1514	Flexiseal® Module Flat Zinc Plated 1.5m length
01-13-1500	Flexiseal® Module 20/25 Degree Zinc Plated 1.5m length
01-13-1501	Flexiseal® Module 30 Degree Zinc Plated 1.5m length
01-13-1502	Flexiseal® Module 35 Degree Zinc Plated 1.5m length
01-13-1503	Flexiseal® Module 45 Degree Zinc Plated 1.5m length
01-13-1525	Flexiseal® Module Flat Stainless Steel 1.5m length
01-13-1516	Flexiseal® Module 20/25 Degree Stainless Steel 1.5m length
01-13-1517	Flexiseal® Module 30 Degree Stainless Steel 1.5m length
01-13-1518	Flexiseal® Module 35 Degree Stainless Steel 1.5m length
01-13-1519	Flexiseal® Module 45 Degree Stainless Steel 1.5m length

For a quote or further information, contact us at dyna@dynaeng.com.au



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