Conveyor Belt Skirting

ARGONICS ENGINEERED POLYURETHANE

Argonics is one of the country's largest producers of wear-resistant polyurethane products, providing high-performance urethane solutions at its state-of-the-art production facility. Whether you're producing concrete, manufacturing aggregate products, processing grain or mining precious metal, Argonics has built its reputation on providing cost-effective solutions for some of the most demanding applications.

BENEFITS:

- 8-10 times the wear life over rubber
- 60 percent lower coefficient friction compared to rubber, which reduces drag on the conveyor motor
- Will not groove your conveyor belt
- Light-weight
- Load-bearing
- Can be formulated to work in wet or dry conditions

INDUSTRIES SERVED:

- Aggregate
- Cement
- Concrete
- Coal mining
- Coal fired power plants
- Precious metal mining
- Pulp and paper

PERFORMANCE SOLUTIONS! PROVEN

Conveyor Belt Skirting

Duo Seal™

- Material and dust containment in one solution
- Flexible secondary seal conforms to the belt to keep dust and particulate material under control
- Works with most existing skirt board clamping systems on the market
- Available in a variety of widths and thicknesses, in lengths up to 50 feet
- Rounded primary seal will work with any trough angle

Standard Skirting

- Fits into any other manufacturers' existing skirt clamping systems on the market today
- Available in a variety of widths and thicknesses in lengths up to 50 feet
- Can be ordered with 35-degree beveled edges* or a straight edge

*The beveled edge provides an even greater advantage because it already matches the troughing angle of your belt, eliminating the "break-in" adjustment.

Snap-Loc™ Dust Seal

- The gold standard for dust containment skirting
- Snaps into standard unistrut railing that can be bolted or welded into place
- Engineered to create a perfect seal that follows the contours and low spots of the belt between trough rollers
- No additional adjustments needed for the life of the seal
- Available with cavity for use on high-speed belts

Load Zone Containment Liner

- Excellent for containing material at the transfer points on your belt line
- Extra-rugged, reinforced design with ¼" steel
- Extremely effective in reducing spillage
- Available with flat edge or 20-degree beveled edge
- Plain liners come in 60" and 96" lengths; varying heights and thicknesses available
- 1" thick ceramic liners contain ceramic hextiles, while the 2" contains ceramic cubes
- Ceramic liners available with flat, 20° or 35° beveled edge, in lengths of 48 inches or 60 inches

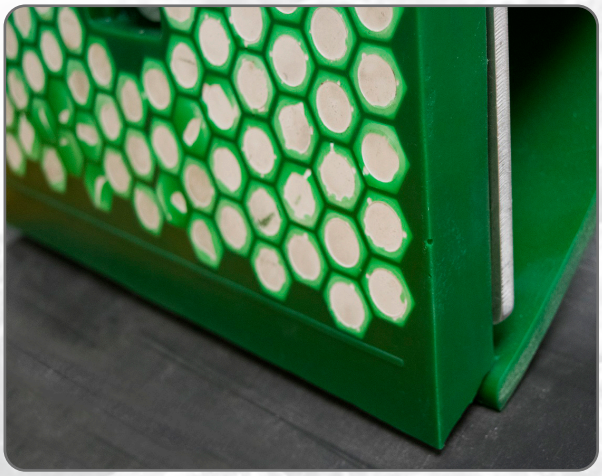
Containment liners come with Snap-Tite polyurethane plugs that cover the mounting slots and prevent material build-up.

Conveyor Belt Skirting

Combination Snap-Loc System

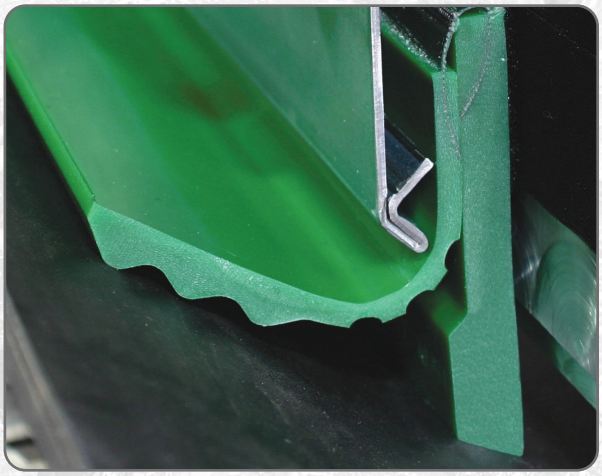
- Combination of Snap-Loc and Containment Liner work together to provide the ultimate dust control product
- Fits most conveyor systems on the market
- Excellent abrasion and high-temperature resistance
- Can be used with all belt widths and troughing angles

*The combination of Snap-Loc and Containment Liner is not sold together as a single unit; however, field testing has proven that these two products work exceptionally well together to provide solutions to dust problems



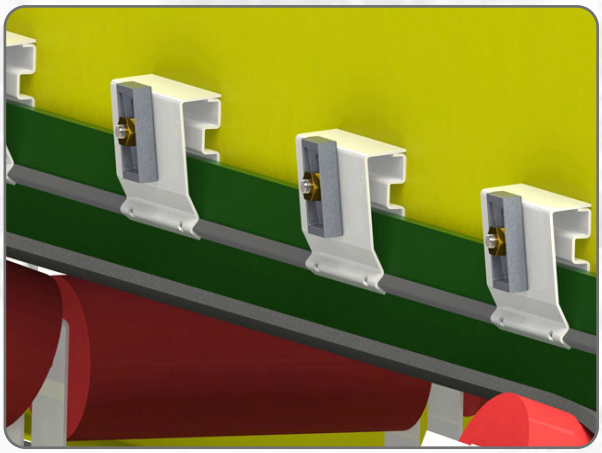
Fold-n-Seal™

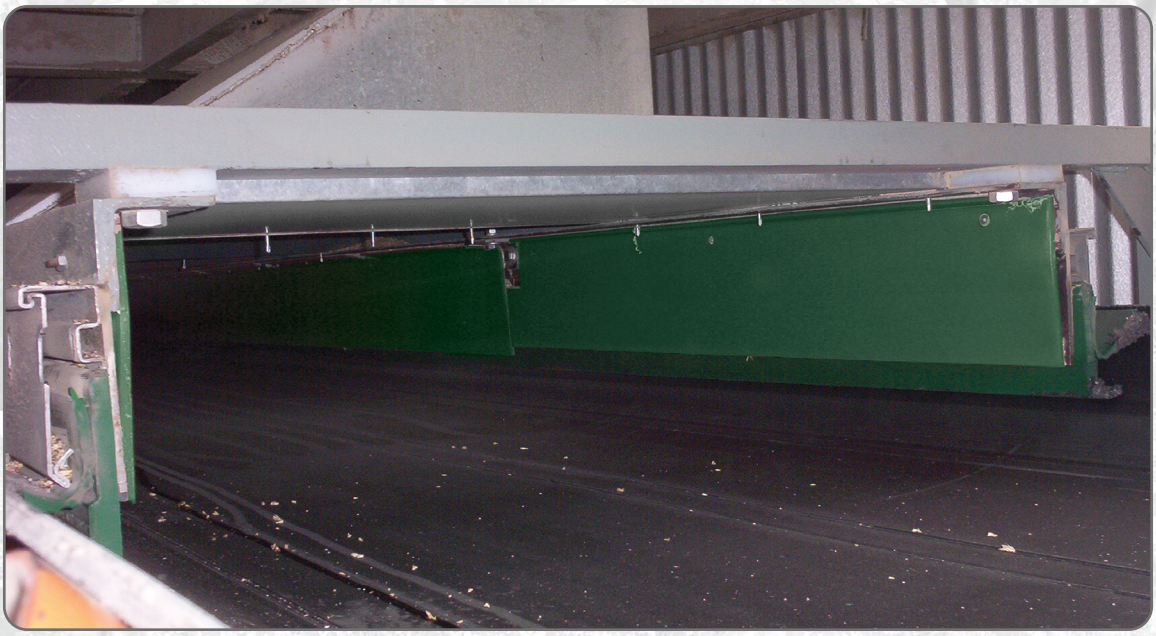
- Quality, multi-sealing conveyor skirting solution
- Material and dust containment in one unique solution
- Primary seal keeps material on the belt while secondary seal keeps dust and particulate material under control



Wedge-Loc™

- Easy to install and adjust
- Stitch, weld, or bolt into place, install skirting, drop to belt, then knock wedges to lock down
- Frame made from 12-gauge, galvanized steel; clamping utilizes a stainless steel-to-brass thread contact, coupled with cast aluminum wedge for continuous operation in corrosive and abusive environments





Case Studies

Load Zone Containment Liners

Install date: February 2013

Tired of replacing worn down rubber skirting on two conveyors at a rock quarry in southern New South Wales, Australia, a customer decided to trial Argonics' Load Zone Containment Skirting. The customer first tested the skirting on Conveyor 2, which was being replaced weekly at a cost of $128 plus four hours of labor per month. The initial investment in the Containment Skirting was slightly higher, but after 10 months of use, no replacements were needed, leading to a calculated cost savings of $12,500. The customer then installed Containment Skirting on Conveyor 1, also.

Snap-Loc Dust Seal System in FRAS

Install date: February 2013

Due to its use in the grain handling industry, an agribusiness was using a Flame Retardant Anti-Static (FRAS) rubber skirt, which is required because grain is highly combustible. However, the rubber skirt had developed memory fatigue and was no longer rigid enough to conform to the belt sag between the idlers. The business decided to use Argonics' FRAS-rated Snap-Loc Skirting. Unlike rubber, polyurethane has longer-term memory shaping capabilities, needing less adjustments. Longer wear life also means ongoing cost savings.

Snap-Loc Dust Seal System

Install date: July 2012

A power station was concerned with the wear on its coal conveying belt, caused by rubber skirting, and decided to test out Argonics' Snap-Loc Skirting. The Snap-Loc more than tripled the life of the belt and is not wearing on the belt itself, due to low-friction properties. The customer noticed a significant savings in maintenance and inspection time as well. The customer made plans to install Snap-Loc on all their conveyors.

KS01 Skirting

Install date: September 2008

A trial was conducted at a coal terminal to properly test the performance of polyurethane against the most commonly used skirting material, SBR rubber. After more than eight months of monitoring and assessing the installation, the skirting was still performing beyond its expectations. Even with this significantly prolonged usage, a measurement of the skirting showed only 1.5 mm of wear had incurred. Tests since that time have showed around eight times greater service life.

Common Formulations

69

The most common skirting durometer choice

83

Typically used for belt speeds in excess of 600 FPM

93

Used on belts with elevated temperatures, up to 250° F constant temperature

FL

Front Line®, our flame retardant formulation, is MSHA approved and can be added to any durometer

FRAS

Flame Retardant Anti-Static (FRAS) combines our Front Line® flame retardant with a proprietary anti-static additive, making it perfect for use in underground mining and coal fired power plants

Skirting MEETING DEMANDING APPLICATIONS

Our polyurethane skirting fits into any other manufacturers' existing skirt clamping systems on the market today, making it a snap to replace your old skirts. Our skirting is available in a variety of widths, thicknesses, and lengths up to 50 feet. You can order our skirting with 35 degree beveled edges or a straight edge.

*Argonics provides the **most reliable** and **cost-effective** skirting available to meet the demands of your wear application.*

PRODUCT BENEFITS:

- 8-10 times the wear life of rubber
- 60% lower coefficient friction compared to rubber, reducing drag on conveyor motor
- Won't groove conveyor belt

ARGONICS
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