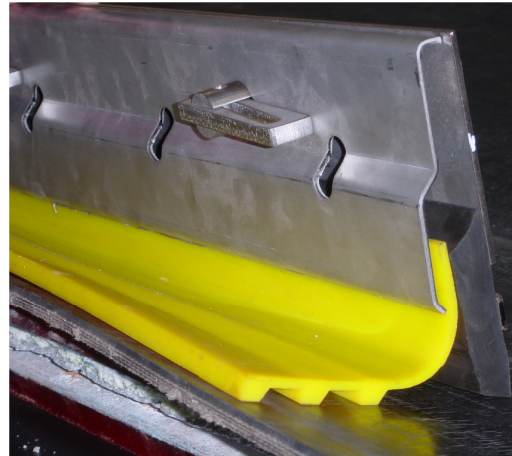


# APRON SEAL™ SKIRTING SYSTEM

*The APRON SEAL™ Skirting System offers a unique dual sealing system that effectively seals with its own weight and requires no adjustment.*

*The APRON SEAL™ Skirting consists of primary and secondary sealing strips. The primary seal acts as a retainer of the majority of material preventing it from leaking past the chute walls. The secondary seal prevents the escape of any material that bypassed the primary seal.*

*This product has been engineered for use in all bulk solid industries where controlling the cost of fugitive material escaping at transfer points is a concern.*



**MARTIN**  
**ENGINEERING**

## PRODUCT FEATURES AND BENEFITS

### **APRON SEAL™ Skirting System**

Effectively eliminates fugitive dust at transfer points, providing cleaner environments, safer working conditions, less equipment maintenance, less equipment downtime, reduced cleanup cost, reduced potential for dust associated with fires and explosions.

### **Need for Constant Adjustment Eliminated**

The primary seal is clamped to the chute wall, while the secondary conforms to the belt's surface. No adjustment, just replace it when the ribs are worn on the secondary seal. Because there's no downward pressure forcing the secondary seal onto the belt the seal has a very long expected wear life.

### **Easy Skirting Replacement**

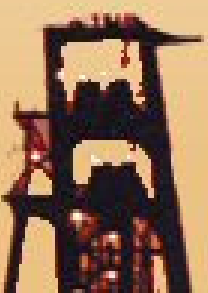
Saves time and reduces the hours that expensive belts are held out of production. It is quick and easy to install on both retrofit and new construction. It can be used with the ESS Torsion Arm or Angle Clamp.

### **No Grooving of Belt**

APRON SEAL™ Skirting eliminates the grooving of the belt because no downward pressure is put on the belt.

### **Virtually Maintenance Free**

It is virtually maintenance free, as there is no need for adjustment necessary, no spillage, and less time spent cleaning up.



# APRON SEAL™ SKIRTING SYSTEM

## HOW IT WORKS

The APRON SEAL™ Skirting System offers a unique dual sealing system that effectively seals with only the force of its own weight and does not require any adjustment. Used in conjunction with ESS 2000 or other skirt clamping arrangement, the skirting simply clamps into the conveyor chute.

The APRON SEAL™ Skirting consists of both primary and secondary sealing strips. The primary seal is made from 3" or 5" high by ½" thick polyurethane in 3m lengths or an 80mm x 16mm rubber, up to 6 metres long. The secondary seal is available in either urethane (4 ½" high, supplied in 3m strips) or rubber (6" high, supplied in 3m or 6m strips). The primary strip is clamped against the chute wall and rests on the belt pinned by its own weight. This seal prevents the majority of the material from escaping at the transfer points. The urethane secondary seal is clamped to the skirt and lies over the outside edge of the belt conforming to its

moving surface. It is also held to the belt by its own weight and prevents the escape of any material which has leaked through the primary seal. Material trapped by the secondary seal continues in a pseudo tunnel formed by the gap between the primary and secondary seals.

The dovetail urethane secondary seal can be used with either the 3" or 5" primary seal to create a highly efficient dual seal. The rubber seal (which is not dovetailed) can be clamped against almost any existing skirting system and will provide a low pressure secondary seal that effectively contains fugitive material without needing adjustment. In some cases, with proper chute wall and wearliner design, APRON SEAL™ Rubber Skirting can be installed alone as a complete sealing system.

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