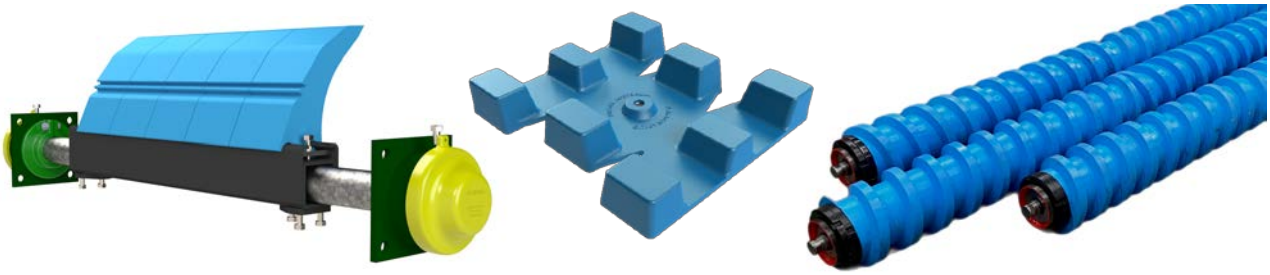
FRAS (Fire Resistant & Anti-Static) Certification



FRAS polyurethane certification is a key requirement within bulk materials handling operations, particularly power station, coal, grain and sugar handling industries. When fire resistance and anti-static requirements are necessary within danger zones and where combustion risks are present.

Kinder polyurethane products incorporating the **Blue Polyurethane 69 & 83 Shore A FRAS Certified** polymer additive possess a highly durable, longer lasting, wear and abrasion resistance characteristic.

The incorporation of FRAS unique properties ensures polyurethane self-extinguishes and its formulation meets the electrical resistance requirements. Kinder Australia offers a range of polyurethane solutions with the **option of FRAS** whilst conforming to all relevant Australian standards specified.

Blue Polyurethane 69 & 83 Shore A FRAS Certified

Conveyor Skirting & Transfer Systems
K-Snap-Loc® Dust Seal System
K-Fold-N-Seal Skirting System
K-Superskirt® Engineered Polyurethane
K-Containment® Seal
K-Super Block Skirting System

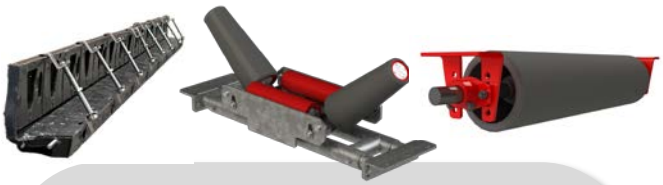
Belt Cleaning Systems
Eraser™ Primary Belt Cleaner
Super-G® Secondary Belt Cleaner
XTC Reversing Secondary Belt Cleaner
K-Spiromax® Cleaning and Tracking Roller

Anti-Wear Liners
K-Superline® Polyurethane
K-Redi-Liner® Polyurethane

Magnetic Wear, Repair & Seal
K-Magnaplug®

Key Features:

- Stringently tested to MDG3608, Section 3.3 requirements.
- Certified compliant by NATA accredited NSW Govt Mine Safety Technology Centre.
- High quality polyurethane guaranteed.
- Detailed test and compliance reports are available upon request.



FRAS Urethane

Conveyor Skirting & Transfer Systems
AirScrape® / TailScrape

FRAS Rubber Lagging

Conveyor Pulleys & Lagging
K-Conveyor Pulleys

Conveyor Belt Tracking
K-Commander® Prime Tracker
K-Commander® Conical Tracker

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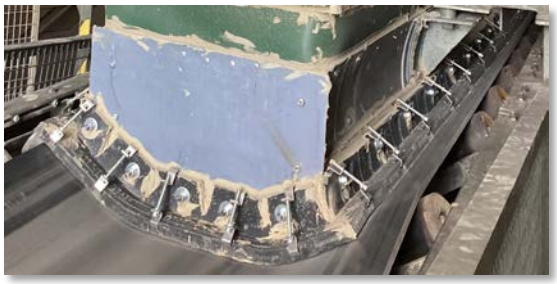
FRAS (Fire Resistant & Anti-Static) Certification

Customer Success Stories - Grain Application

FRAS AirScrape® / TailScrape & K-Containment® Seal



Australia's grain terminal faced dust and spillage challenges at the transfer chute, leading to slippage and other related OHS hazards.

Due to the presence of wheat and barley dust and the associated fire/explosion risk, it was a requirement for all conveyor components to be anti-static and FRAS-approved.

Seeking a high performance and durable solution, Kinder implemented **FRAS AirScrape® (10m), TailScrape (1m), and K-Containment® Seal (6m).**

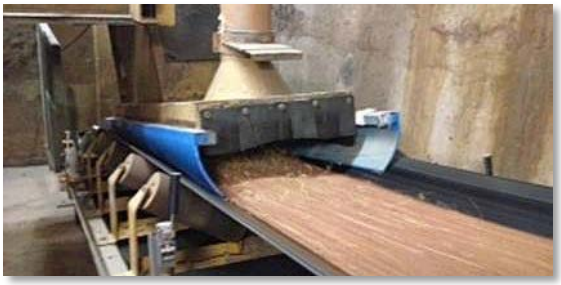
Modifications included centralising grain loading, extending chutes, and installing custom made **DustScrape**, stainless steel filter cloth at the tail. AirScrape® and TailScrape technology was successful in preventing belt contact and reducing excessive dust.

RESULTS:

- Dust issues under control, spillage down to zero.
- Improved visibility during the intake.
- External extraction system is not required.
- OHS hazards successfully addressed.

The long-term solution impressed the Maintenance Supervisor, with plans for similar implementations in other facility areas.

FRAS K-Snap-Loc® Dust Seal System



The Australian ASX 100 company, a global leader in food ingredients and agribusiness, faced challenges in the high-hazard grain handling industry, where dust explosions posed a serious threat.

Using a ½ inch thick FRAS-rated rubber for compliance, the rubber's memory fatigue led to product escape and frequent skirting changes every 2 years.

Opting for **K-Snap-Loc® Dust Deal System** proved transformative. The engineered polyurethane offered immediate spillage reduction, 8 to 10 times more durability than rubber, decreased maintenance costs, ongoing energy savings, and improved belt preservation.

Designed with FRAS-rated formulations, K-Snap-Loc® enhances safety in industries prone to combustion risks.

RESULTS:

- Immediate spillage reduction.
- Longer-term replacement cost savings.
- Immediate and ongoing reduction in maintenance costs.
- Ongoing energy savings.
- Extended service life of the belt.

K-Snap-Loc® is available in FRAS rated formulations specifically for industries where combustion risks are present.

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