

# FLAME ROCK

Conveyor Belt Flame-Resistant Protection  
And High Abrasion Resistance



## Greater operational safety

**Flame Rock** was developed to meet strict operational safety requirements, ensuring reliable performance even in critical conditions.

The result of a Research and Development project by Mercurio driven by a growing market demand, it has flame propagation containment properties while also offering excellent abrasion resistance, significantly contributing to operational safety and the maximum performance of conveyor belts.

## Maximum Performance

### Abrasion Resistance

One of the main challenges with flame-retardant belts is balancing fire safety performance with high abrasion resistance.

**Flame Rock** overcomes this limitation by combining flame-spread safety properties with excellent operational performance, showing an abrasion loss of only **70 mm<sup>3</sup>**, a result that places it above standard coatings and most self-extinguishing compounds available on the market.

This performance reinforces its ability to operate in demanding industrial environments while reducing wear, maintenance, and unplanned downtimes.



One of the applications of Flame Rock in an underground mine.

**Mercurio Conveyor belts last longer**



**MERCURIO**  
CONVEYOR BELT

## Comparison – Abrasion Loss (ISO 4649)

PRODUCT	Loss due to Abrasion
Standard market coatings	120 mm <sup>3</sup>
Self-extinguishing competitors	90 mm <sup>3</sup>
<b>Flame Rock</b>	<b>70 mm<sup>3</sup></b>

### Self-Extinguishing Property

- Complies with standard **DIN EN ISO 340**

### Recommended Applications

Flame Rock is suitable for operations where fire safety is a critical requirement. Below are a few examples:

- Underground mines
- Transport of materials that are self-combustible
- Operations with dust generation and explosion risks
- Environments where insurers require self-extinguishing belts
- Port terminals
- Warehouses

### Constructive Versatility

The Flame Rock compound can be applied in different conveyor belt configurations:

- Textile belts
- Steel cord (ST) belts
- Custom-made special designs

Our team of experts is ready to help your operation reach more productivity and performance.

Visit our website at [www.mercurioconveyorbelt.com](http://www.mercurioconveyorbelt.com) and discover all the solutions we