

**Safe, secure
and dependable**



FireSentinel®

Flame Retardant Conveyor Belts for
Underground Mining Applications



FireSentinel®

Safe, secure and dependable underground conveying solutions.

FireSentinel® flame retardant conveyor belts.
High abrasion values and high adhesion values.

The engineers at the ContiTech research and development laboratory have done it again – This time it is a safe high performance compound for underground mining belting. Like any valuable guard, FireSentinel® keeps watch over underground miners and their safety; all while also offering excellent wear characteristics.

The FireSentinel® conveyor belt range offers a proven portfolio of carcass components ensuring the right product for each underground mining application.

FireSentinel® exceeds the requirements of MSHA CFR Title 30, Part 14.

FireSentinel® is available in each ContiTech reinforcement construction. Both ContiTitan® straight warp textile constructions, and StahlCord® steel cord constructions will be offered in the near future. All ContiTech belts are available in widths of up to 126 inches (3,200 mm) with constructions ranging from 3-330 to 5-2000. The cover thicknesses can be selected to fit the application.

Technical Information on FireSentinel®

	Imperial	Metric
Tensile strength (ISO 37)	≥ 2123 PSI	≥ 16 MPa
Elongation of break (ISO 37)	≥ 400 %	≥ 400 %
Cover Tensile strength after aging (ISO 188)	≤ 15 %	≤ 15 %
Elongation of break after aging (ISO 188)	≤ 25 %	≤ 25 %
Abrasion resistance (ISO 4649)	≤ 190 mm ³	≤ 190 mm ³
Hardness (ISO 868)	Shore A 65±5	Shore A 65±5
Ozone resistance (ISO 1431-1)	Scale 0	Scale 0
Specific weight (ISO 2781)	88.65 lb/ft ³	~ 1,42 g/cm ³

As a partner of the mining industry, we guarantee optimum performance. This includes installation and supervision of our conveyor belts by both our application engineers and servicing distributor/installer on site. We always use the latest technology to offer you precise, economically favorable conveyor belt solutions for each application.

Our product performance is underlined by our uncompromising quality assurance. We monitor all stages of the manufacturing process, from initial inquiry to finished product delivery; all in accordance with stringent ISO 9001 guidelines.

ContiTech

Conveyor Belt Group

Market segment
Mining World

Your local contact
cbginfo@contitech-usa.com

www.contitech.us
www.contitech-online.com

The ContiTech division of the Continental Corporation is a development partner and original equipment supplier to numerous industries for high-quality functional parts, components and systems. With its know-how in rubber and plastics technology, ContiTech contributes significantly to industrial progress and mobility that is safe, comfortable and eco-friendly.

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