

Conveyor Belt Group

CONTIFLEX® EP
Textile Conveyor Belts
for a Wide Range
of Conveying Tasks





CONTIFLEX® EP

textile conveyor belts with epoxy plies

ContiTech Conveyor Belt Group

We are manufacturers of textile and steel cable conveyor belts, special products and service material – for use in mining, mechanical engineering, machine construction and many other industries. At our Northeim plant, one of the most modern of its kind, we ensure consistently high quality. Every order is backed by our comprehensive customer service program that includes providing useful advice on planning and application engineering, installing the belt, starting up the conveyor and maintaining the belt on-site.



Keep on running

Non-stop belts
Non-stop service
ContiTech

Range

		Carcass thickness	Carcass weight	Recomm. min. pulley diameter (drive)
		in mm	in kg/m ²	in mm
2-ply belts				
CONTIFLEX® EP	315/2	1.9	2.5	200
	400/2	2.3	2.8	250
	500/2	2.9	3.0	315
	630/2	3.3	4.1	400
	800/2	4.0	4.6	500
3-ply belts				
CONTIFLEX® EP	500/3	3.0	3.6	400
	630/3	3.6	4.1	500
	800/3	4.5	4.4	500
	1000/3	5.1	6.1	630
	1250/3	6.2	6.8	800
4-ply belts				
CONTIFLEX® EP	630/4	4.1	4.7	500
	800/4	4.9	5.4	630
	1000/4	6.1	5.8	800
	1250/4	7.0	8.0	800
	1600/4	8.5	9.0	1000
5-ply belts				
CONTIFLEX® EP	800/5	5.2	5.9	630
	1000/5	6.2	6.7	800
	1250/5	7.7	7.2	1000
	1600/5	8.8	10.0	1000
	2000/5	10.7	11.2	1250

Other types on request.

Precision and durability for the most difficult operating conditions

CONTIFLEX® textile conveyor belts with epoxy plies are robust and are suitable for heavy-duty operations due to their polyester/polyamide ply design. The low elongation tension member enables short take-ups. The belt gives high resistance to penetration damage and optimum adhesion between plies. CONTIFLEX® EP with cut edges or rubber edges is resistant to rotting; it is easy to mould and guarantees high operational reliability and durability, even with small pulley diameters. The use of modern textiles and state-of-the-art production technologies ensures that CONTIFLEX® EP retains its belt alignment over a long service life.

Flexible dimensions for individual requirements

CONTIFLEX® EP is available in standard widths up to 3200 mm and (with longitudinal seams) in super-widths up to 5600 mm, depending on belt thickness and length. Cover thicknesses can be selected according to the intended use.

Weight: to determine the approximate weight of the belt, add the carcass weight and about 1.1 kg/m² per mm of cover.



Properties of covers

Designation	DIN 22102 ref.	Special properties	Tear strength in N/mm ²	Tear elongation in %	Abrasion in mm ³	Hardness in ShA
NQ	Y	sun check resistant	22	550	100	60
Conti extra	Y	sun check resistant	22	550	100	60
Conti extra	Y	suitable for bonding	23	500	100	60
ATRB	X	high abrasion resistance	28	550	90	60
AA	W	high abrasion resistance	21	500	60	60
Conti XS	X	resistance to cutting	27	550	100	60
FW-K	K, Y	flame retardant	22	600	130	60
FW-S	S, Y	flame retardant	22	600	130	60
TDWN		flexural strength	23	450	150	75
Clean		dirt-repellent	18	400	50	75

Values given are statistical mean values.

Covers with optimum properties

The CONTIFLEX® EP range contains a wide selection of covers for all applications, providing the optimum solution in each case, and going well beyond the relevant

standards. The specific properties are the result of intensive research based on practical testing and extensive field trials. They are also attributable to the extensive know-how of the ContiTech division in the rubber sector.

The following splice lengths L_V apply to the textile types used:

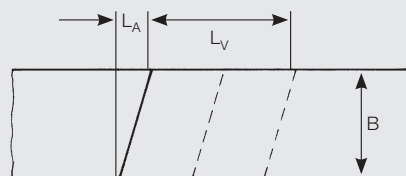
in mm	EP160	EP200	EP250	EP315	EP400
1-stage	200	250	250	300	300
2-stage	400	500	500	600	600
3-stage	600	750	750	900	900
4-stage	800	1000	1000	1200	1200

For the bevel L_A of the splice, 30% of belt width B should be added.

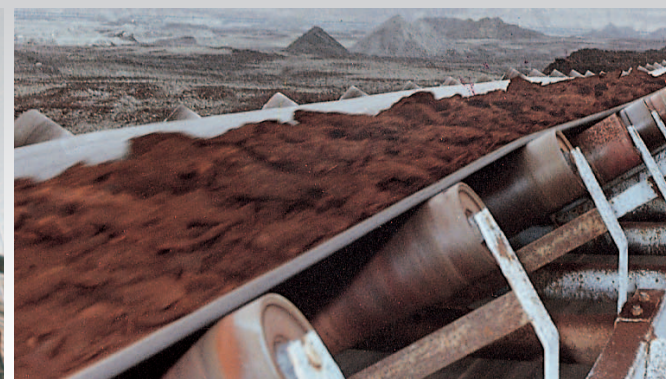
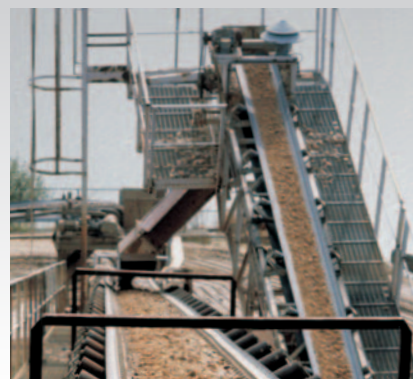
Splicing with high-grade materials

CONTIFLEX® EP conveyor belts are made by the latest production techniques, using high-grade materials and environment friendly raw materials. In-house-developed processes and staff skills are a further guarantee for the constantly high standard of our conveyor belts.

Splice length



3-ply belt (2-stage splice)



CONTIFLEX® textile conveyor belts fulfil a wide variety of transport tasks in all types of industry. In addition to a range of belts for normal bulk goods, various special types are available for conveying hot goods, for the transport of goods containing oil and grease, for steep-incline conveying and with special reinforcing materials for particular applications.

Modern production

techniques and systematic quality assurance

CONTIFLEX® EP conveyor belts are made by the latest production techniques, using high-grade materials and environment friendly raw materials. In-house-developed processes and staff skills are a further guarantee for the constantly high standard of our conveyor belts.

This well-developed sense of quality is reflected in an efficient quality assurance programme at all stages of the

project, from initial inquiry through to delivery, in accordance with stringent ISO 9001 guidelines. International approval as a supplier to major customers confirms the high quality of products, operations and processes.

Service partners

ContiTech Transportbandsysteme GmbH provides a customer-oriented service worldwide in consultancy and planning for conveyors through to installation, start-up and servicing during operation. A team of applications engineers is on hand to make design calculations with special computer programs and to give comprehensive on-site advice. They are backed by the experience gained in the use of our conveyor belts throughout the world.

Service-tested in a wide range of applications

ContiTech Transportbandsysteme GmbH supplies a range of CONTIFLEX® textile conveyor belts with epoxy plies as 2, 3, 4 and 5-ply belts of various designs and dimensions. They are of a practical design, equipped with tailor-made covers and meet the highest requirements in many different sectors, such as:

- ▶ Mining
- ▶ Iron and steel industry
- ▶ Construction industry
- ▶ Non-metallic minerals
- ▶ Gravel quarrying
- ▶ Cement industry
- ▶ Cargo handling facilities
- ▶ Power stations

Continuous quality assurance to ISO 9001 is standard daily working practice.



www.contitech.de
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Conveyor Belt Group

Market segment
Industry

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Your local contact

• www.contitech.de/contactlocator

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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