

FLEXTRANS™

THE STRAIGHT WARP TEXTILE BELT

PRODUCT SHEET

HIGHLIGHTS

- Textile belt construction with single- or double-ply
- Excellent impact and cutting resistance
- Reduces downtime for installations
- Belt widths from 400 to 2400 mm
- Nominal belt strengths from 315 to 2000 N/mm

APPLICATIONS



Mining



Cement industry



Steel industry



Aggregates



Chemical industry

COVERS

- Transdura (anti-abrasive)
- Transflam (flame retardant)
- Transoil (oil resistant)
- Transtherm (heat resistant)
- Transcold (cold resistant)

Flextrans™ is the straight warp textile belt providing cut and rip resistance for demanding applications.

CONCEPT

Flextrans is a single- or double-ply belt featuring a special straight warp fabric that ensures excellent impact and cutting resistance which is often associated with primary crushers and feeder belt applications.

PRODUCT FEATURES

The fabric in the warp direction lies straight and therefore enables very low elongation, significantly reducing the required take-up length. The high concentration of weft yarns ensures that the belt can be easily spliced with mechanical fasteners at the highest pull-out strengths. Hot vulcanised splicing is also possible.



TECHNICAL INFORMATION

The special carcass of Flextrans™ ensures excellent impact resistance and makes the use of mechanical fasteners a convenient and reliable option. Therefore, Flextrans provides very high nominal belt strength and impact resistance, allowing very short downtime for maintenance purposes.

BENEFITS OF FLEXTRANS™

- Very low elongation
- Very high impact resistance
- Very high cutting resistance
- Easy splicing with mechanical fasteners

DATA

| | |
|-------------------------------|--|
| Belt width: | 400 mm to 2400 mm |
| Nominal belt strength: | 315 to 1250 N/mm with single-ply 630 to 2000 N/mm with double-ply |

FLEXTRANS CASE STUDY

Custom belt solution with long service life for sustainable operations

Client: ACC Limited

Type: Cement plant

Location: Barmana, Himashal Pradesh, India

Date: 2015

Conveyor belt type: **Flextrans UHR**

CUSTOMER CHALLENGES:

- Transport hot clinker at 180°C
- Find a conveyor belt with long service life to avoid maintenance and interruptions
- Ensure durable and sustainable operations
- Reduce operating costs

SEMPERTRANS SOLUTIONS:

- Interactive session with ACC to understand customer issues and identify adequate belt solution
- Supply of 315 m of Flextrans™ single-ply belt with Transtherm™ UHR cover grade
- Recommendations on use of mechanical fasteners instead of hot vulcanised splicing to reduce downtime

RESULTS

- Substantial reduction in downtime
- Productivity enhancement
- Increased belt lifetime
- Better operational efficiency
- Energy savings and reduced operational costs



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