



ISO 9001:2015

## Breda Series

Conveyor and Process Belting designed for outstanding performance in difficult conditions: **abrasion, mineral oils and cut.**



## BREDA = ABRASION RESISTANCE + INORGANIC CHEMICAL RESISTANCE

PVC thermoplastic belts with good resistance to abrasion normally offer little or no resistance to mineral oils and fats or to most chemical products.

Similarly, PVC belts with additives to resist oils and fats usually have very poor resistance to abrasion and cuts.

Production or transformation processes that bring together both circumstances: ABRASION + OILS/CHEMICALS are very common in thousands of industrial applications. The **esbelt BREDA range** is widely recognized as the ideal belting product for such applications including:



- Manufacture of bricks and tiles (clay, cement).
- Stamping and cutting of sheet metal.
- Bolt and screw factories.
- The wood industry (saw mills, furniture factories).
- Building and insulation materials (mineral wools, polyurethanes, plaster, among others)...

Most belts used in these applications show good resistance to some of the factors (abrasion, cutting, oils, fats, chemicals, etc.) but little or no resistance to the others, a shortcoming that severely effects the performance and lifespan of the belt, due to rapid deterioration. Cracks in the cover, cuts, premature wear or deformations due to chemicals are very frequent.



All these problems mean deteriorated belts have to be replaced often, hampering productivity (down time), while increasing maintenance costs.

**Esbelt**, during its 40 years of experience in the market, created and improved the **BREDA range**, whose PVC includes all the physical and chemical characteristics to successfully withstand both abrasion and mineral oils and fats.



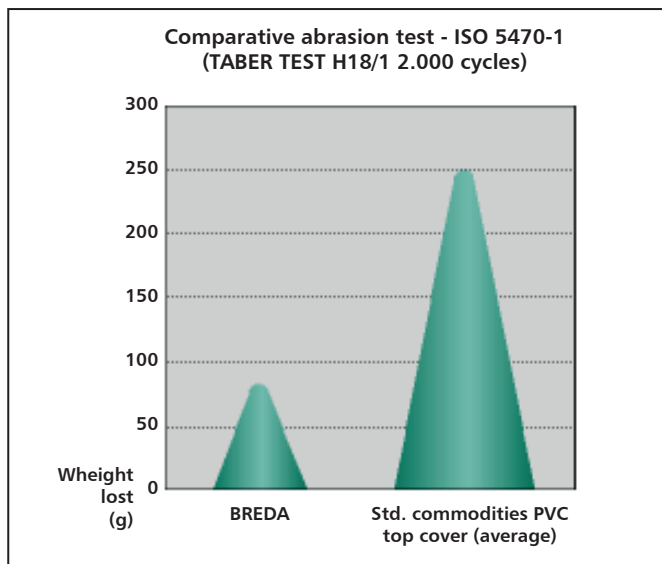


## BREDA: Characteristics

- Process belts, resistant to abrasion and cuts.
- Antistatic.
- Excellent performance in contact with mineral oils and fats, diesel, acid or alkaline solutions (except ketone or chlorinated solutions).
- Transverse rigidity to ensure the belt is well bedded and guided on slider bed conveyors. Easy to centre on very wide conveyors.

real, confirmed and proven advantages:  
**LONGER LASTING**

## GREATER RESISTANCE TO ABRASION



## EXCELLENT CHEMICAL RESISTANCE:

One of the industries with the highest turnover of belts in adverse working conditions during the manufacturing process is the production of bricks and tiles. For example, in the extrusion and cutting of brick, the belts are subject to abrasion and aggression from diesel which is often used as a demoulding agent.

- The working life of a standard belt is usually between 8 months and a year.
- Our **BREDA** belts usually last an average of three years, i.e. **3 times longer**.



## SOME EXAMPLES OF APPLICATIONS:

- The wood industry: furniture factories, varnishers, pallets, boards, etc.
- Construction material manufacture: bricks, tiles, plaster boards, fibre cement boards, etc.
- Insulating materials: rock wool, fibreglass, polyurethanes.
- Stamping, cutting and reeling of sheet metal: automobile industry, household appliances.
- Cardboard and paper: cutting machines, folding machines, transfers, stackers, etc.
- Printing: offset.
- Recycling industry: classifiers, optical sorting, Eddy current...
- Textile industry: monoblock aprons, material loader-mixers, non-woven fabric, stamping.
- Non-organic fertilisers.



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