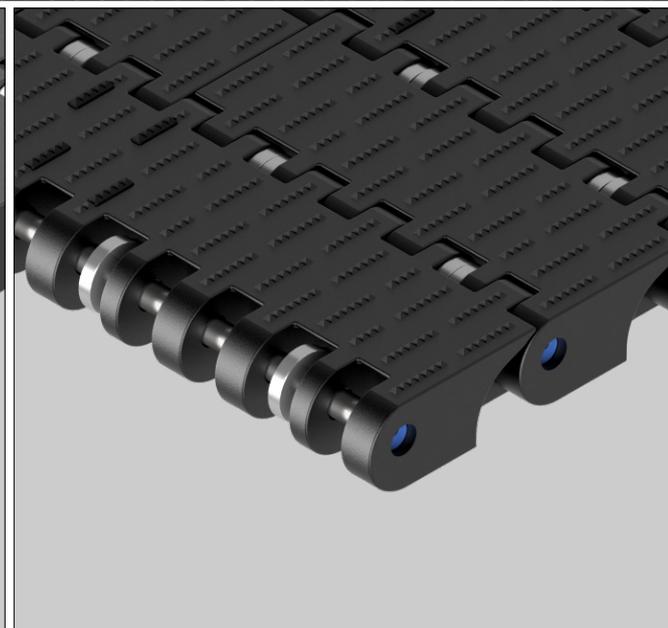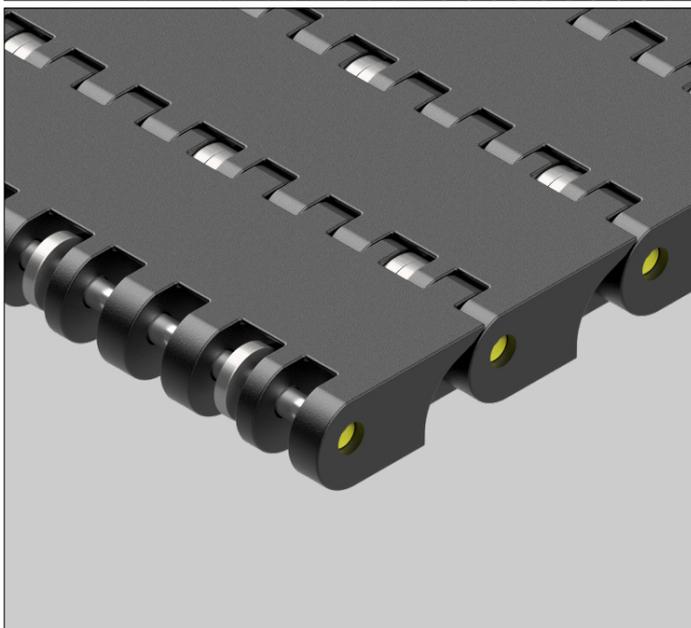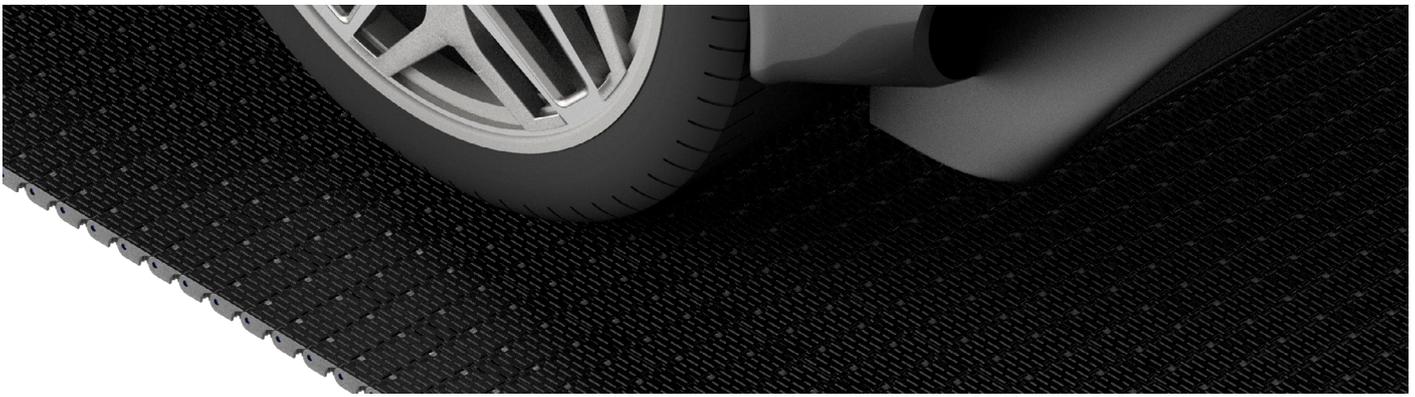**Ammeraal Beltech**

uni ACB Hybrid
- the new standard in hybrid belting technology

uni

uni ACB Hybrid – a new high performance benchmark for hybrid belts

The uni ACB Hybrid is the next evolution of our proven uni ACB (Advanced Concept Belt), now enhanced with steel reinforced hybrid technology.

Why was it created?

With over two decades of success, we continue to listen to our customers' needs in the automotive industry. We set out to design a product that addressed the toughest challenges of the automotive industry in people movers, surface mount conveyors, and other heavy duty conveyor applications:

- Heavy loads
- Operation on long CC-distance conveyors
- Risk of elongation and pulsation
- Belt wear
- Need to meet safety requirements

The uni ACB Hybrid is specifically designed for applications that involve long conveyors, where high stiffness and elongation control are essential. We answer these industry challenges by combining the trusted and proven benefits of the uni ACB series with the added benefits of hybrid technology.
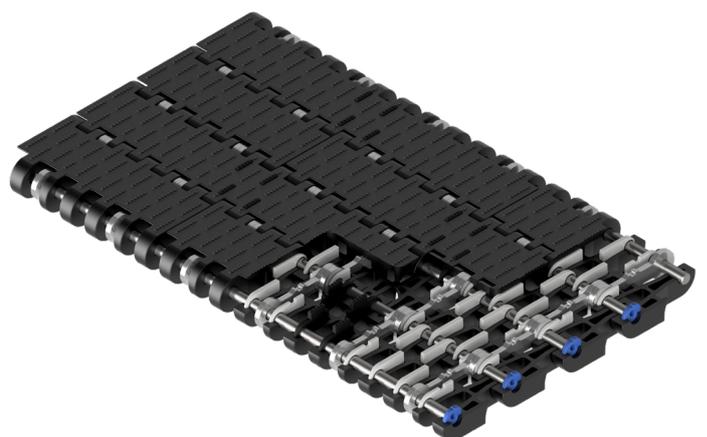
What is hybrid technology?

Hybrid technology refers to the combination of plastic modular belt construction with steel reinforcements embedded inside. It unites the flexibility and lightweight benefits of a plastic modular belt with the exceptional stiffness, strength, and thermal stability of steel.
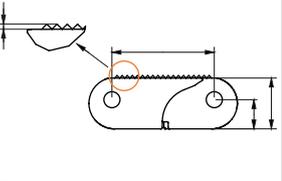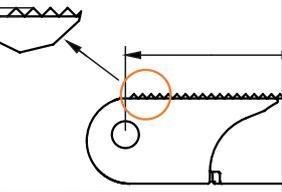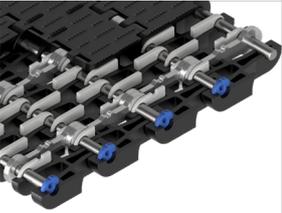
What is the benefit?

- Thanks to a steel insert, you gain greater stiffness and thermal stability. This provides better control of pulsation and limits belt elongation. With this, you can design longer conveyors with construction height limitations and avoid risks of pulsation.

- Long lifetime expectation, reducing total cost of ownership
- Safe to work and walk on, by combination of our special rough top design, ESD-safe electric conductive inserts and pulsation control
- Optionally available in certified flame retardant material

This belt completes Ammeraal Beltech's modular belt portfolio, offering unmatched reliability for today's most challenging conveyor applications.

uni ACB Hybrid features and benefits

Feature	Details	Benefit
Off-set pin position	Pin position is not centered, but towards the top of the link (leaving more material under the pin)	Increased wear area and belt lifetime performance
	Stainless steel "hybrid" reinforcements far from the bottom of the belt	No contact of reinforcement to slider bed also allows stainless steel slider bed setup
Insert technology	Wear-resistant inserts available in various materials, to be fitted where needed (under wheels or heavy loads)	Maximised belt lifetime, best performance in different environments
Hinge-driven belt	Unique drive concept with sprocket teeth engaging behind the belts hinges instead of pulling on pockets in the belt.	Better sprocket engagement with optimum transfer of power Less wear of sprocket teeth and belt pockets, resulting in better lifetime performance
Rough top surface	Low height "pyramid" style rough top structure, certified (R11) for use even in wet conditions	High grip, ergonomic, easy to clean and friendly to kitting trolleys with small wheels
End-lock system	Easy to fit and remove end-locks to retain the stainless steel pins. Made of extra strong material to resist lateral pin forces. End-lock colors used to identify base belt material, i.e. yellow end-locks for flame retardant material	Simple to place and remove for easy maintenance
Safe materials	The belt is available in both regular and certified flame retardant materials with electric conductive insert material to comply with ESD safety requirements	Safe working conditions

**Please get in touch with your local representative
to discuss your application needs!**

Discover Your Local Contacts

The local partner of choice
for sustainable conveyor belting solutions
- around the globe.

General contact information:
Ammeraal Beltech
P.O. Box 38
1700 AA Heerhugowaard
The Netherlands

T +31 72 575 1212
www.ammeraalbeltech.com

Scan the QR code
and find your local
contact

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