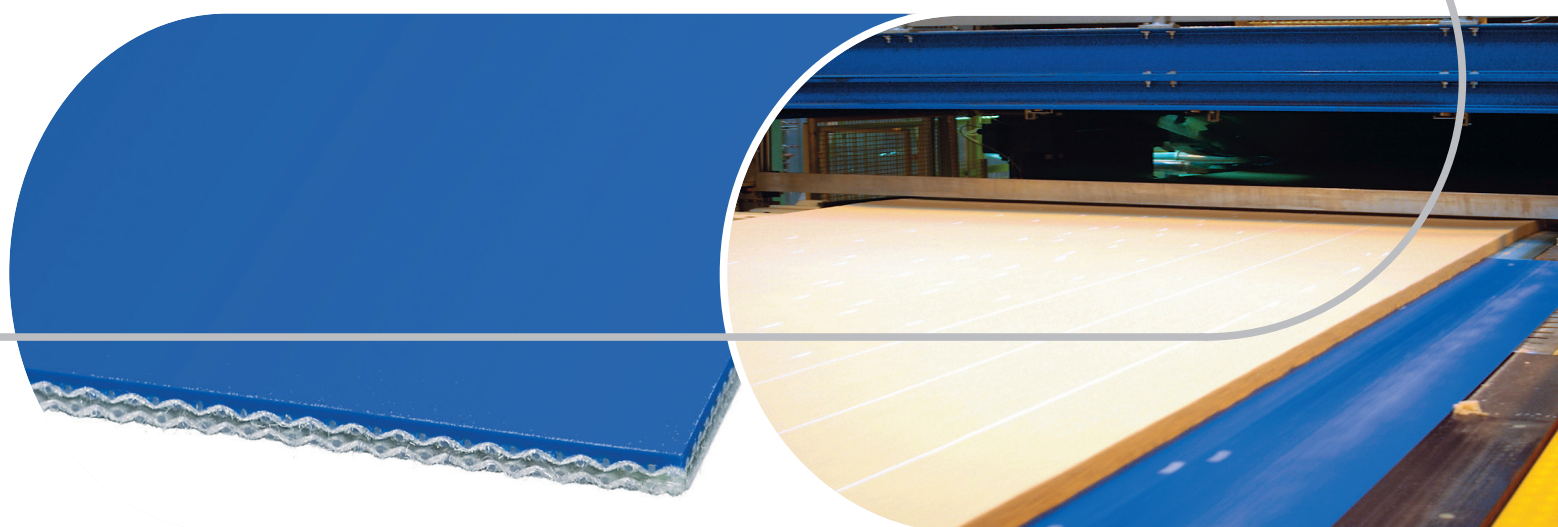


EMM-20ERCH-W2 Forming Belt

Enhanced release and lateral stiffness



Habasit is dedicated to delivering the best solutions for the engineered wood processing industry. As the industry faces increasing demands, we have analyzed the industry's operations and produced belt designs to improve process performance.

Introducing the new EMM-20ERCH-W2 forming belt that significantly improves upon its predecessor. The new forming belt delivers enhanced performance including:

- Refined surface structure
- Higher lateral stiffness

A specific challenge when processing engineered wood is the wood fibers and binder resin adhering to the belt. The curing of this material blend on the belt surface results in the edges cupping.

These issues can cause premature belt failure leading to unexpected downtime and increased maintenance costs.

The new EMM-20ERCH-W2 addresses these issues. The belt's super-matte finish minimizes the contact area with the curing wood fiber mat, easily releasing resin-bound fibers while improving throughput and board quality. This also reduces edge cupping; leading to increased belt life and decreased maintenance and replacement costs.

Furthermore, the new belt features a 100% increase in lateral stiffness, while maintaining longitudinal flexibility, further reducing the potential of edge cupping.

The EMM-20ERCH-W2 was extensively field-tested and delivered real-world results. This belt will replace the EMB-20EMCH which will be phased out in 2023.

EMM-20ERCH-W2 Forming Belt

Real-World Results

A UK wood processing plant experienced frequent downtime due to excessive glue buildup on their forming belts. Production was stopped up to three times a month so the belt could be cleaned taking several hours each time.

In search of a solution, they contacted Habasit and installed our EMM-20ERCH-W2 belt onto their forming line. Habasit's EMM-20ERCH-W2 belt, with its super-matte surface, reduced the need for cleaning from three times a month to about once every six months.

The plant is now enjoying reduced downtime and increased production. The plant was so satisfied with the results, they purchased several more belts and installed them in their other plants across Europe.



Key Features	Your Benefits
Super-matte surface structure	<ul style="list-style-type: none"> Improved board quality and throughput with reduced belt build-up for greater output and fewer cleaning cycles Longer service life due to a durable surface structure
Doubled lateral stiffness	<ul style="list-style-type: none"> No edge cupping Further increased service life and reduced maintenance costs due to a flatter belt service and excellent tracking stability
Water-based adhesive system	<ul style="list-style-type: none"> Longer belt service life due to stronger adhesion between the belt's fabric layers Improved sustainability due to fewer solvents and materials used

Product Characteristics Comparison

Belt Type	EMM-20ERCH-W2	EMB-20EMCH
Belt Conveying Surface	Super-matte finish	Matte
Belt material	<ul style="list-style-type: none"> Conveying side: Thermoplastic polyurethane (TPU) Traction layer and pulley side material: Polyester (PET) 	<ul style="list-style-type: none"> Conveying side: Thermoplastic polyurethane (TPU) Traction layer and pulley side material: Polyester (PET)
Thickness	1.8 mm (0.071 inch)	1.7 mm (0.067 inch)
Knife-edge (nosebar) radius (minimum)	7 mm (0.276 inch)	7 mm (0.276 inch)
Pulley diameter (minimum)	15 mm (0.59 inch)	15 mm (0.59 inch)
Hydrolysis resistance	Yes	Yes
Seamless manufacturing width	4000 mm (157.48 inch)	4000 mm (157.48 inch)

For the full product data sheets, please visit portal.habasit.com

Contact your local Habasit representative to discuss additional capabilities needed to meet customer requirements.

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

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