

Aramide-fabric based belt for high forces at wood applications



Ammeraal Beltech is a leading manufacturer of process and conveyor belting with an established reputation for developing innovative solutions for belting applications.

Wood panel board production requires that the end products require no further correction: that they come out smooth and ready to use within the industry.

That's why it's important to have perfect belts for the middle of a forming line, where the air is pressed out and necessary chemical reactions start.

Our new wood pre-press belt is taking care of the middle of a forming line, offering peak performance for your business.

Main features:

- Super fine matt finish on top side
- Impregnation on backside
- Hard TPU top cover
- High abrasion and chemical resistance
- Non-stick surface
- Improved splice

Main benefits:

- Extended lifetime due to improved joint
- Excellent release properties
- Impact resistant against high pressure

Typical applications:

- Wood forming line for PB/MDF/HDF (medium/high density fiber) at pre-press application

Resists high forces and linear pressures!

The wood pre-press belt SBMD000273 is built to work in difficult environments. This belt is mostly encased with a de-aeration belt that helps to transfer the out-pressed air away from the product.

It's used for the pre-press application, which is included in the middle of wood panel board production for medium / high density fiber and particle boards. This application is placed after the matt-forming and before the transfer into conti-presses.

Splicing

The splice of pre-press belt is a mandatory part for belt performance. Therefore, we developed a special splice procedure which guarantees the highest possible forces in the joint area, as proven in dynamometric tests. The belt can also be requested endless.

Equal belt thickness

Forming lines (especially THDF) can produce boards down to 2mm thickness, therefore a smooth and equal belt thickness is necessary.

Made from Kevlar fabrics and polyester

Forces in a pre-press are very strong, therefore a high force elongation value is absolutely mandatory. Kevlar fabrics and polyester give 50N/mm 1% static force.



Perforation

In many cases of higher performance forming lines (high speed, high pressure) there is a perforation needed. We can punch round and oval holes, customized to the hole pattern of any customer.

Technical Data

Item	Description	Anti-static	Force at 1% elongation (static) [N/mm]	Hardness (Top Side) [Shore]	Thickness [mm]		Minumum pulley diameter [mm]		Operating temperature (from / to) [°C]	
					Total	Top Cover	Flexing	Back flexing	Conti-nuous	Short
SBMD000273	Ropanyl EM/K 50/3 00+04 black M1 AS	yes	50	92A	3.70	0.40	250	300	-25 / 90	-25 / 90

AS = Antistatic; M1 = Fine matt finish

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