

# Prepress belting solutions for panel board production



## Safety – Reliability – Durability

Modern high-performance wood-processing machines produce large volumes of particle board, MDF, HDF, OSB and plywood. To achieve this, they need dependable and durable components.

Leading OEMs and end users choose Ammeraal Beltech belting solutions for reliable and secure panel board production.

Whether it's our spliceable aramid re-enforced Ropanyl belt or our seamless AmPress belt, our industry-proven belts deliver excellent pressure resistance and they also meet all other operating requirements necessary for the forming process.

## Benefits

- Excellent belt performance
- High production safety standards
- Minimum maintenance required
- High-quality production results
- Long belt life
- ATEX-approved

## Belts that can handle the pressure

The wood and building material industries produce plywood, chipboard and MDF sheeting. First, chips or fibres are mixed with a binder, or resin. Then, this mixture undergoes prepressing before passing onto the final press, where finished panels are manufactured. Prepress belts are used in the prepress unit. As a part of our one-stop belt shop, Ammeraal Beltech offers both a unique seamless belt and a synthetic spliceable belt for this application.

### AmPress seamless belts

- Truly endless construction, eliminating any risk of splice failure
- Uniformly coated, seamless and flexible, with anti-static properties to prevent static charge build-up
- Wear-resistant polyurethane (PUR) cover material which is also extremely resistant to wood pulp, for longer belt life
- Easy-to-track, stable belt run
- Good resistance to bonding materials, oils, fats, sulphur, ozone and kerosene
- Available in two surface finishes: closed, or withholes for air release

### Ropanyl prepress belts

- Made of aramid fabric for maximum compression resistance and reliable distribution of compression
- High force/elongation value
- Good abrasion resistance and a homogeneous belt surface
- Excellent anti-static properties; no build-up of electrostatic charge
- Very good chemical resistance
- Strong splice, made with Ammeraal Beltech's unique Maestro equipment

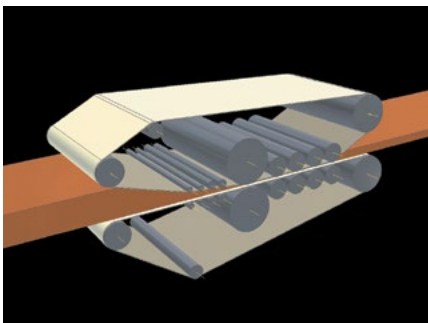
#### Technical data for the AmPress 01

Article code	GK 1752
Weave	Endless woven broken-twill weave
Fabric	Anti-static polyester
Top cover	PUR: 2 mm white Ropan 80 Shore A
Bottom cover	PUR: 2 mm white Ropan 80 Shore A
Total belt thickness	7.5 mm
Max. belt tension	90 N/mm at 1% elongation
Belt weight	Approx. 8.7 kg/m <sup>2</sup>
Min. pulley diameters	200 mm flexing and back flexing
Temperature resistance	-15 °C to +80 °C
Belt length	Up to 60 m
Belt width	Up to 3400 mm
Finish	Slit edges

#### Technical data for Ropanyl EM/K 50/3 00+04 Black M1 AS

Item	SBMD000273	
Antistatic	Yes	
Force at 1% elongation (static)	50 N/mm	
Hardness (Top Side) [Shore]	92A	
Belt thickness	Total	3.70 mm
	Top cover	0.40 mm
Min. pulley diameter [mm]	Flexing	250 mm
	Back flexing	300 mm
Operating temperature (from / to) [°C]	Continuous	-25/90
	Short	-25/90

AS= Antistatic; M1 = Fine matt finish



Animated prepress process



A prepress machine in operation



A seamless endless woven prepress belt in action

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