

Duragrip



DURAGRIP®

*Duragrip® by Albany International,
the First Name in Corrugator Belts.*

**NO
SLIPPING**

DURAGRIP® means NO SLIP.
Eliminate slippage, increase
production speeds and
provide durable,
long-lasting performance.

ALBANY
INTERNATIONAL

Albany, New York
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CORRUGATOR BELTS

DURAGRIP®

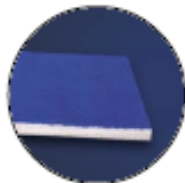
Patented Coating is Key to Preventing Slippage

Duragrip

Features:



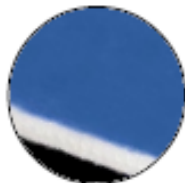
4-Layer, woven base fabric



100% heavyweight polyester construction



Patented non-slip beard-side coating



Chemically interlocked fiber and base

Seams:

- Open clipper seam
- Non-marking IFS seam

Benefits:

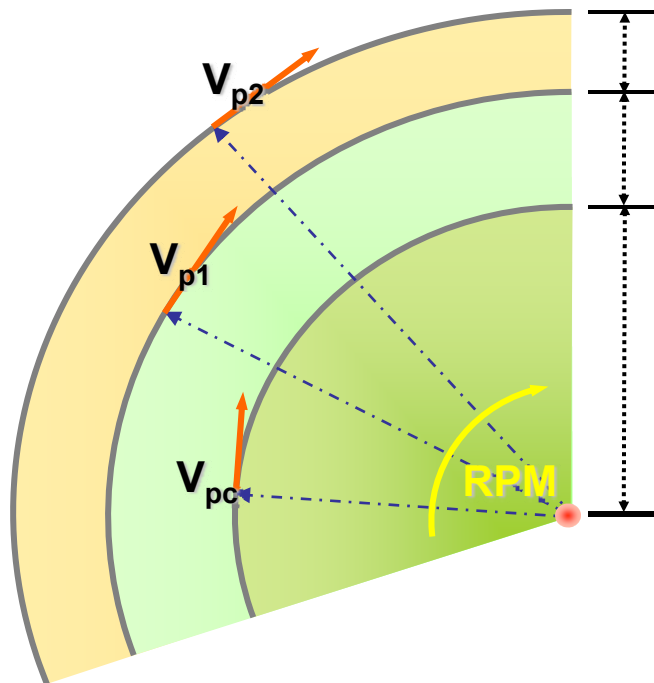
- Maximizes gripping capability
- Eliminates shrinking and contracting
- Resists contamination
- Improves production and board quality

Specifications	English	Metric
Weight	20 oz / ft ²	6.1 kg / m ²
Caliper	.390"	9.90 mm
Permeability	0 CFM	0 m ³ / hr
Coefficient of Friction	.864	.864

ALBANY
Corrugator Belts

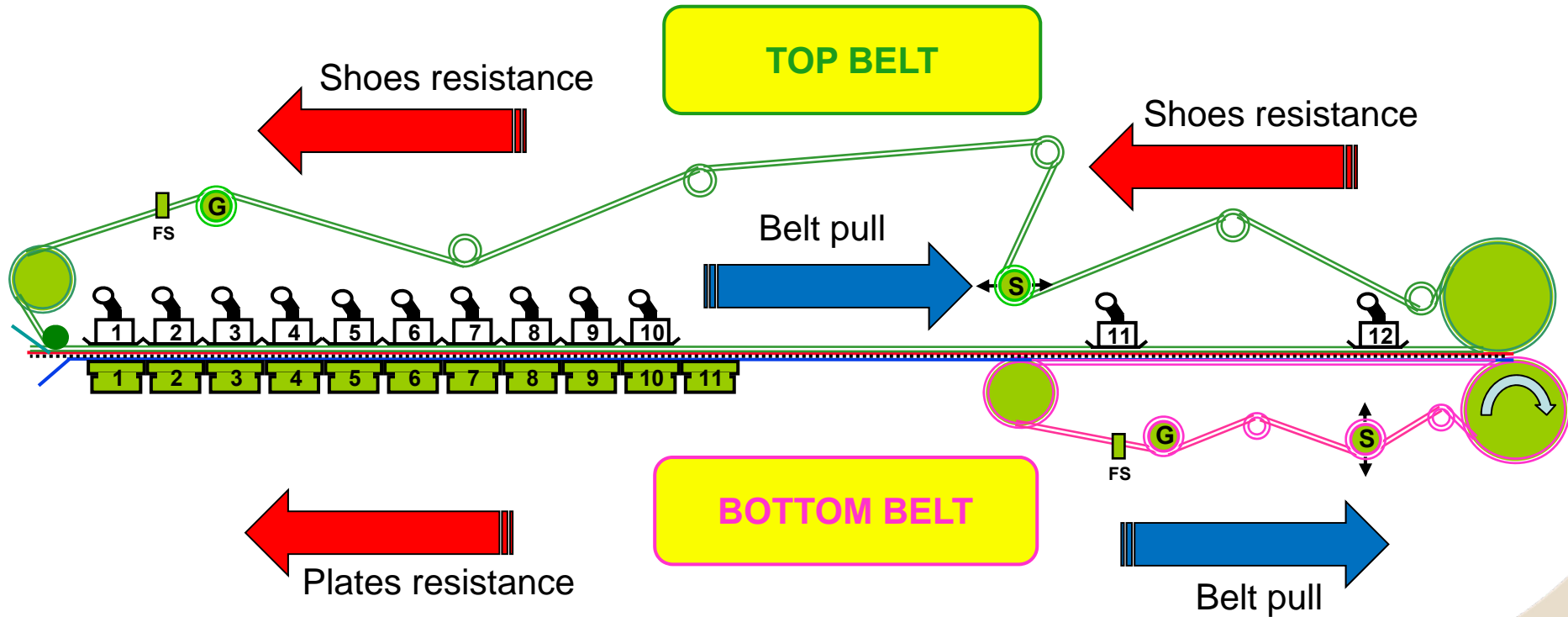
DURAGRIP: Board to belt slippage solution

Causes:



- *Belt to Cylinder:*
 - lagging may be worn off or damaged
 - belt working without sufficient tension;
 - excess of pressure on the belt by the hot bars or Short-Press;
- *Belt to Board:*
 - belt with excess of electrostatic;
 - excess of glue or dirt on hot plates;
 - significant thickness difference between top and bottom belt.

DURAGRIP: Energy saving solution



$$\text{Belt pull} = \varphi_{\text{friction}} \times \text{vertical load}$$

The higher the friction coefficient, the lower the vertical load and the lower the shoes resistance

DURAGRIP: Energy saving solution

Static friction coefficient	steel	paper
DURADRY 2000	0.29	0.34
DURAGUARD	0.32	0.39
DURAGRIP	1.58	2.64

Note: measured at room temperature

DURAGRIP: Energy saving solution: one example

Product: KRAFT PAPER 100% - grammage 400 – 700 gr/m²

On SHORT PRESS pressure range is from 0 to 10:

> With previous belt supplier it was set between 5 and 7

➤ With DURADRY 2000 + DURAGRIP it was set between from 0,9 to 1,0 .

This has reduced a lot the electrical energy consumption.

Ampere absorption went from:

230 (previous belt) to 180 (DURADRY 2000 + DURAGRIP)