

Antistatic Sanding Belts



Online version
with updated product data



Abrasives

Hermes BW 114 for sanding wood and lacquered surfaces

■ BW 114 has been constructed from a combination of ingredients, creating a tool previously unknown in the wood-working industry.

The cutting work is done by a tough, sharp-edged pink aluminum oxide. The very open coat structure of BW 114 together with its anti-static agents prevent premature loading of sanding belt.



■ Friction in wood sanding or plastic grinding operations generates electrostatic charges. These are reduced by up to 80% when using Hermes BW 114 Antistatic, so that they no longer disturb the working process. This enables dust collectors to work with greater efficiency, and reduces dust deposits on workpiece surfaces, the machinery,

The task

■ The influence of workpiece materials on the performance of sanding belts is particularly important in wood and lacquer sanding.

Trouble-free running is critical for integrated production lines.

It is essential to avoid frequent sanding belt changes.

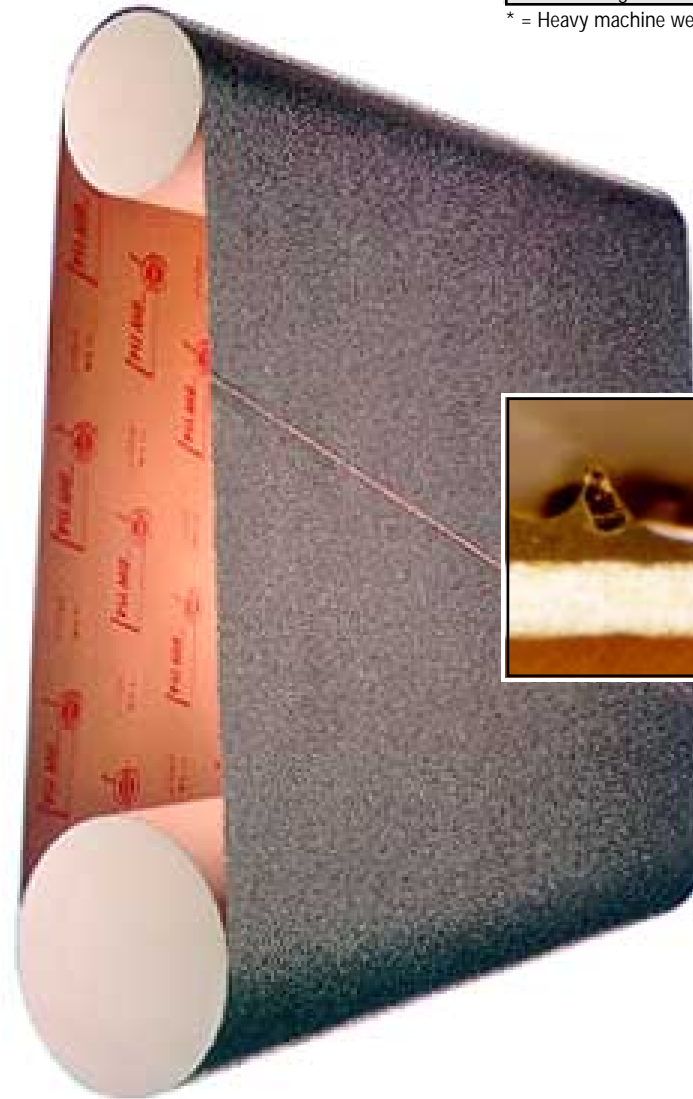
Electrostatic charges may cause uncontrollable sanding dust deposits on machine, workpiece and belts, reducing efficiency.

These are tasks which Hermes has successfully tackled.

The result:
Hermes BW 114

Operations

- Sanding solid wood parts
- Sanding veneers
- Sanding primers and fillers
- Sanding lacquers



Type	Code	Grain	Backing *	Grit range																			
				16	20	24	30	36	40	50	60	80	100	120	150	180	220	280	360	460	600	800	1000
BW 112	11210	Aluminum Oxide	F-weight paper	P																			
BW 114	11400	Aluminum Oxide	F-, E-weight paper	P																			
CB 115	11523	Aluminum Oxide + Sapphire Blue*	F-weight paper	P																			
BS 118	11800	Silicon Carbide	F-weight paper	P																			
BS 118-Longlife	11870	Silicon Carbide	F-weight paper	P																			
BS 119	11900	Silicon Carbide	D-weight paper	P																			
BS 119-Longlife	11970	Silicon Carbide	D-weight paper	P																			

* = Heavy machine weight paper

P = FEPA - DIN ISO 6344



A new grain coating process ensures uniform grain distances. This prevents premature loading of the sanding belt.

Product benefits

- Improved freedom from dust in the sanding area and in the sanding machine.
- Reduction of deposits of sanding dust on workpiece surfaces.
- Less loading of sanding belts.
- Longer sanding belt life.
- Uniform sanded surfaces in production environments.
- Improved safety conditions through reductions of dangerous electrostatic discharges.

Product description



Type	BW 114
Grain	Pink aluminum oxide
Backing	Heavy, highly tear resistant machine weight paper
Bonding	Full resin bonding. Special size coat designed to minimize unfavorable electrostatic charges.
Grit range	P 40 - P 800
Production width	max. 62"

Application parameters

■ Cutting speeds influence working results and the life of sanding belts. We recommend the following cutting speeds:

Wood sanding	Range	Recommendation	Lacquer sanding	Range	Recommendation
	S.F.P.M.	S.F.P.M.		S.F.P.M.	S.F.P.M.
Wide belt, solid wood	2360-4720	3940	Nitro cellulose	390-2360	790
Wide belt, veneer	1970-4720	3940	Polyester, clear	390-1580	790
Long belt, solid wood, hard	1970-4720	3940	Polyester pigmented	1180-3150	1970
Long belt, solid wood, soft	1970-4720	2360	Acid curing lacquers	2350-3550	2360
Long belt, veneer	1970-3940	2360			

Safety note

■ BW 114 sanding belts are not hazardous working substances.

■ User's must comply with all national safety standards, particularly permissible air contaminants exposure limits for sanding materials.

Applications

- Solid wood parts, i.e. for chairs, tables, kitchen and living room furniture;
- Solid wood panelling;
- Veneered panels for living room, bedroom, kitchen and hall furniture;
- Veneered surfaces for doors, door frames and panelling;
- Wood materials such as plywood and glued-up stock.





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