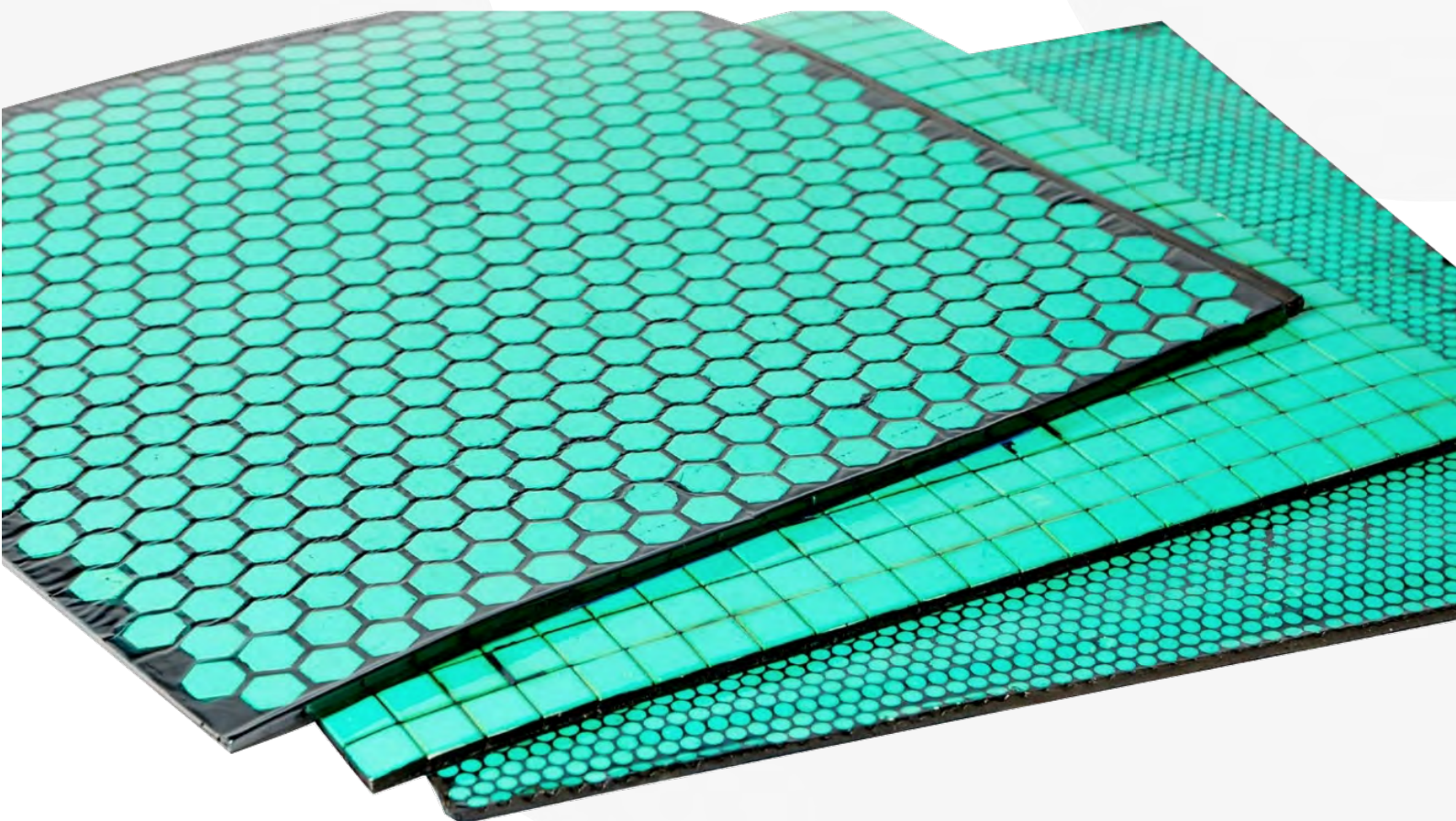
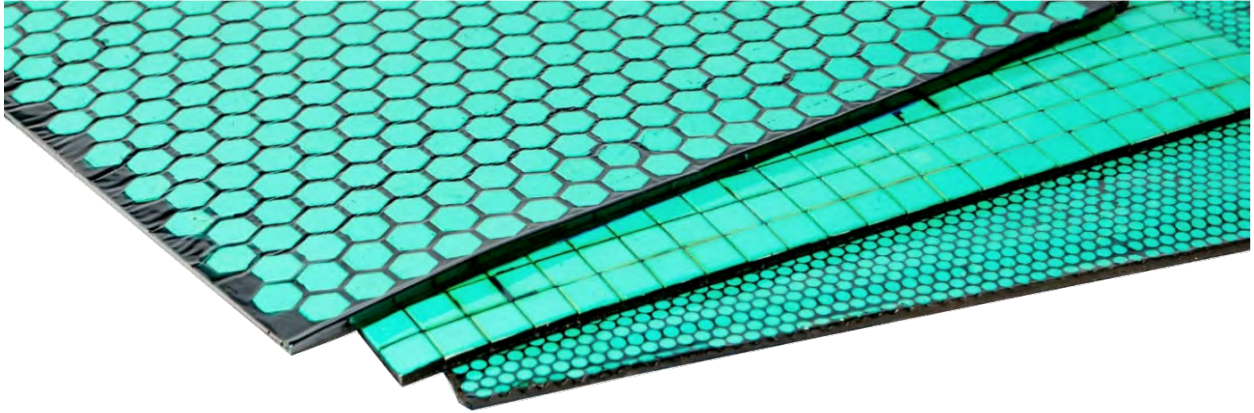


HOT VULCANISED WEAR PANELS



HOT VULCANISED WEAR PANELS



DESCRIPTION

Elastotec has pioneered the development of Hot Vulcanised (HV) Ceramic Wear Panel Systems and the method of application. The HV bonding process provides consistent 100% rubber tear bonds ensuring the longest possible service life.



APPLICATION

Elastotec Wear Panel systems are ideal for a wide variety of mining, mineral processing and material handling for protection against extreme wear. Including typical examples such as:

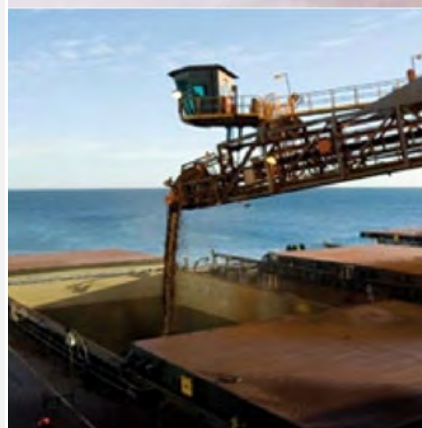
- Chutes
- Cyclones
- Launderers
- Pipes and tanks
- Conveyor transfer points
- Screen beams, underpans and components
- Vibratory feeders

HOT VULCANISED WEAR PANELS



KEY FEATURES AND BENEFITS

- ✓ High quality abrasion resistant rubber.
- ✓ High hardness aluminium oxide tiles vickers hardness 900.
- ✓ Tiles bonded on all sides (except top surface).
- ✓ Hot vulcanised bonding layer.
- ✓ Fire resistant & antistatic (FRAS) compound available.
- ✓ Elastotec developed application method.
- ✓ Supplied in square panels 500mm x 500mm.
- ✓ Excellent wear resistance.
- ✓ Resists tile cracking and pull out.
- ✓ Can be used in above or below ground applications.
- ✓ 100% rubber tear bond to pulley.
- ✓ Easy to install.



COLD VULCANISING vs HOT VULCANISING

Typical values

	COLD VUCANISING	HOT VULCANISING
Adhesion level	Minimal Rubber Tear	100% Rubber Tear
Adhesion strength	9 N/mm	25 N/mm
On site application	YES	NO
Factory application	YES	YES
Stable rubber hardness	YES	YES
Joins	YES	NO
Curing	Room temperature	130-140 C
Bonding pressure	Rubber hammer	Autoclave 400-600 Kpa
Bond failure	Minimal rubber tear	100% rubber tear

HOT VULCANISED WEAR PANELS

RUBBER SPECIFICATIONS

Typical values

	STANDARD	FRAS
Polymer	NR/SBR Blend	SBR/CR Blend
Tensile strength (Mpa) min	14.0	16.0
% Elongation min	400%	500%
Hardness (shore A)	60+/-5	60+/-5
Specific gravity	1.13+/-0.03	1.43+/-0.3
Abrasion resistance max vol. loss (DIN 53516)	90mm ³	200mm ³
FRAS - MDG 3608	N/A	PASS

CERAMIC SPECIFICATIONS

Typical values

Aluminum oxide	92% min
Specific gravity	3.7
Vickers hardness	900
Tensile strength (MPA)	20.0
Comp. strength (MPA)	200
Flexural modulus (MPA)	32.0

STANDARD DIMENSIONS

Typical values

REFERENCE NO.	TILE DIMENSIONS (mm)	OVERALL THICKNESS (mm)	OVERALL DIMENSIONS (mm)	TILE SHAPE	RUBBER	DURO (Shore A)
WPHV-RND-7-3-6-NR60	7 x 3	6	500 x 500	Round	NR	60
WPHV-SQR-10-10-3-6-NR60	10 x 10 x 3	6	500 x 500	Square	NR	60
WPHV-SQR-20-20-6-10-NR60	20 x 20 x 6	10	500 x 500	Square	NR	60
WPHV-HEX-20-6-10-NR60	20 x 6	10	500 x 500	Hexagonal	NR	60



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