



CERA-WEAR HR BB CERAMIC WEAR PADS

Wear Resistant | Corrosion Resistant | Bromo Butyl rubber & Ceramic Composite | CN Bonding Layer

FEATURES

CERA-WEAR HR BB Ceramic Wear Pads are a premium grade, composite liner of wear resistant 92% alumina, hexagonal ceramic tiles vulcanised within a corrosion resistant Bromo-Butyl rubber, which has excellent resistance to both high speed wet slurry and fine particle sliding and high flow impact abrasion. They also have high temperature and chemical resistance to acids and alkalis.

CERA-WEAR HR BB Ceramic Wear Pads are supplied with a specially formulated Neoprene based CN Bonding Layer to achieve the ultimate adhesion when bonded to steel or other rubber surfaces. To achieve this ultimate bond strength, the TRS range of cold, vulcanising adhesives are recommended.

CERA-WEAR HR BB Ceramic Wear Pads are supplied with the tiles completely embedded within a rubber matrix to increase the bond strength of each individual tile within the pad. The hexagonal shape combined with rubber between the tiles gives maximum impact resistance and flexibility for installation on flat, convex or concave surfaces, making them suitable for wear and corrosion protection in corrosive applications.

The CN bonding layer and TRS adhesive system is extremely flexible and allows a good bond strength to be achieved, even in adverse conditions often encountered when application is occurring on site on operational equipment.

CERA-WEAR HR BB Ceramic Wear Pads can be supplied as an individual panel or as a custom made element ready for mechanical installation, supplied as per specifications and drawings or custom designed to meet application requirements.

TECHNICAL INFORMATION (CERAMIC)

Aluminium Oxide Al ₂ O ₃	92% (min)	
Density	3.65 g/cc	ASTM C373-88
Hardness (Rockwell)	77 R45N	ASTM C1327
Compressive Strength	1950 Mpa (min)	ASTM C1424-04
Flexural Strength	320 Mpa (min)	ASTM C1161-02c
Water absorption	0%	ASTM C373-88
Abrasion by Impingement	0.05 grams (max)	
Abrasion by Rubbing	0.1 grams (max)	

TECHNICAL INFORMATION (RUBBER)

Polymer	Bromo-butyl	
Colour	Black	
Hardness	50° ± 5° Shore A	ASTM D2240

Detailed Rubber specification can be supplied upon request



APPLICATIONS

CERA-WEAR HR BB Ceramic Wear Pads have been designed primarily for use as a ceramic lining for the wear and corrosion protection of steel equipment. These tiles are mainly used for high speed, wet abrasion applications such as slurry handling in the mineral processing industry but can be used for any fine particle abrasion applications. Typical equipment to be lined includes:

- > Chutes
- > Pipes and tanks
- > Loading and transfer hoods
- > Feeders
- > Screen feed boxes
- > Screen beams and components
- > Valves and pumps
- > Cyclones
- > Launderers
- > Flotation cells
- > Mill feed chutes
- > Sumps and underpans
- > Grain handling and processing equipment

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AVAILABLE SIZES

Standard Pad Sizes			Ceramic Tile Detail			Backing
Thickness (T)	Length (L)	Width (W)	Shape	Ceramic Thickness (CT)	AF	
10mm	500mm	500mm	Hex	6mm	20mm	CN Bonding Layer
20mm	500mm	500mm	Hex	12mm	20mm	CN Bonding Layer
30mm	500mm	500mm	Hex	25mm	20mm	CN Bonding Layer

Cera-Wear BB HR Ceramic Wear Pads can also be supplied in pads 303mm x 303mm upon request. Min order quantities and lead times apply to these products.

