

■ **Application:**

The products, which are of excellent wear-resistance, impact-resistance, easy operation are ideal surface wear-resisting material for material transfer equipment in mining, iron & steel works, thermal & power plants, mine, etc, and can extend operating life of equipment effectively. Theoretically the life time of the alumina ceramic is about 260 times longer than that of manganese steel and 170 times longer than that of chrome steel.

■ **Performance Index:**

Products	TW92 <sup>®</sup>	TW92 S <sup>®</sup> (New)	TW95 <sup>®</sup>	TW95S <sup>®</sup>	TW97 <sup>®</sup> (New)	TW99 <sup>®</sup>
Alumina Content (%)	≥92	≥92	≥95	95	≥97	≥99
Viker Hardness (Hv50)	≥970	≥1100	≥975	≥1250	≥1300	≥1450
Rate of Water Absorption (%)	≤0.01	≤0.01	≤0.01	≤0.01	≤0.01	≤0.01
Fracture Toughness(Mpa <sup>0.5</sup> )	4.60	5.70	4.65	4.70	5.20	5.50
Bulk Density (g/cm <sup>3</sup> )	≥3.63	≥3.63	≥3.65	≥3.68	≥3.80	≥3.85

■ **Specifications:**

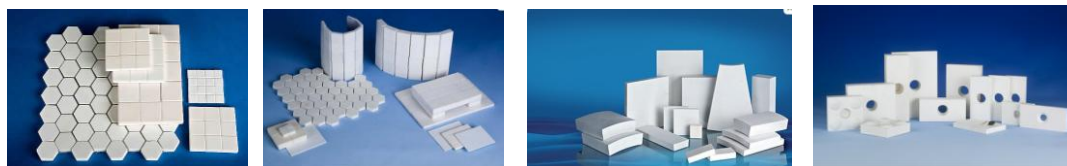
Size(mm)	Length(mm)	Width(mm)	Thickness (mm)	Shape
10X10	10	10	1.5-10	Mosaic/Hex. Tile
11.55X11.55	11.55	11.55	3-12	Mosaic/Hex. Tile
12X12	12	12	3-12.7	Mosaic/Hex. Tile
17.5X17.5	17.5	17.5	4-10	Mosaic/Hex. Tile
20X20	20	20	5-15	Mosaic/Hex. Tile
23.7 x23.7	23.7	23.7	5-15	Mosaic/Hex. Tile
25X25	25	25	5-15	Mosaic/Hex. Tile
50X25	50	25	5-10	Plain Tile(Without Hole)
50X50	50	50	5-15	Plain Tile(Without Hole)
100X100	100	100	6.5-15	Plain Tile(Without Hole)
120X80	120	80	6-20	Weld-able Tile (With Hole)
150X60	150	60	10-25	Plain Tile(Without Hole)
150X100	150	100	12-100	Plain Tile/weld-able Tile
200X100	200	100	25-100	Plain Tile/ weld-able Tile
300X300	300	300	25-100	Plain Tile/ weld-able Tile

**Remark: Remark: More than 2000 sizes and shapes are available upon customer requests.**

■ **Packaging:** In carton box or PP-bag , packed in fumigated wooden pallet with net weight 20-25MT/20'FCL.

■ **Key benefits:**

- Excellent anti-wear and corrosion resistance.
- Longer life than that of traditional wear protection material.
- Avoid shutdown time and maximize the productivity of your plant.



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*"No one will come to be trustful without a reason, Tecera™ comes to be because we are always closed to the clients and the market"  
 Strive for Perfection with Burning Passion.*