

CUSTOM CRAFTED™ HEXAGONAL TARGET TILE



• APPLICATIONS

Christy's high alumina, low silica Hexagonal Target Tiles are used to protect the catalyst in the secondary reformer from being churned by the hydrogen-steam gas stream. The use of tile without holes in the center area is specified by KBR and may be called for by the plant owner. The tile area is about 1" to 1-1/2" short of the unit sidewall. Partial tile are used to form the periphery of the tile area. A ring of Universal Circle Brick is placed next to the vessel lining and under the periphery hexagonal tile.

• INNOVATIONS

- ▶ Christy's Super Jumbo Hexagonal Tile evolved as a result of increased production rates, new design burner installations and/or the target tile being placed closer to the burner. The Super Jumbo Hexagonal Tile has both a much larger footprint (16-1/2" inches) and greater mass (49 pounds) which makes the tile less likely to move under extreme process conditions.
- ▶ 99% Al₂O₃ for extreme erosion problems. Christy developed its HT-99 99% alumina, high fired mix which offers superior erosion resistance for the most severe applications.

• ADVANTAGES

- ▶ Low Installation Cost
- ▶ High Purity, does not poison process stream
- ▶ Reduces Hold-Down Support Cost
- ▶ Proven in Chemical Processes for 30+ Years
- ▶ Super Jumbo = faster installation due to fewer pieces

• MATERIAL

- ▶ HT-95% Al₂O₃ (general purpose)
- ▶ HT-99% Al₂O₃ (for superior erosion resistance)

• AVAILABLE SIZES

- ▶ Standard 2" thickness
- ▶ Jumbo 2-1/2", 3-1/2", & 6" thickness
- ▶ Super-Jumbo 3-1/2" thickness
- ▶ Universal Circle Brick (9" x 4.5" x 2.5")
(23cm x 11.5cm x 6.4cm)

	2" Standard	2.5" Jumbo	3.5" Jumbo	6" Jumbo	3.5" Super
Thickness, in. (cm)	2 (5.1)	2.5 (6.4)	3.5 (8.9)	6.0 (15.2)	3.5 (8.9)
Size, in. (cm)	5-5/16 (13.5)	7-1/2 (19)	7-1/2 (19)	7-1/2 (19)	16-1/2 (42)
Target Area – No Holes	✓	✓	✓	✓	✓
3/8" Holes, Qty	12	N/Av	N/Av	N/Av	N/Av
1/2" Holes, Qty	12	25	25	N/Av	N/Av
5/8" Holes, Qty	12	N/Av	N/Av	N/Av	N/Av
3/4" Holes, Qty	N/Av	14 or 25	14 or 25	N/Av	140 or 46
Approx. Weight, lbs (kg)	3.6 (1.6)	7.5 (3.4)	10.5 (4.8)	23 (10.5)	49 (22.2)
No. of Std Tile Per Pc.	1.0	1.8	1.8	1.8	9.1