

HT-LC Low Corrosion Hexagonal Target Tiles & PROX-SVERS® Support Balls

US Patents #10,370,298 & 10,407,348 for HT-LC Super Jumbo Tiles and PROX-SVERS®
Patents Pending in China and EPO

For over 50 years, Christy has been known as the leading manufacturer of HT-99 high alumina / low silica Hexagonal Target Tiles, and T-46 and T-99 PROX-SVERS® Alumina Balls for synthesis gas processing catalyst hold down media. Today, Christy is pleased to introduce HT-LC Low Corrosion material available as both Hexagonal Target Tiles and PROX-SVERS® Support Balls. HT-LC has been developed to resolve high temperature corrosion in Secondary Reformers and ATRs.



HT-LC Hexagonal Tile & PROX-SVERS® Corroded HT-99 Hexagonal Tile (99% Al₂O₃)

HT-LC Hexagonal Target Tiles and PROX-SVERS® are manufactured using a proprietary, low corrosion metal oxide formulation which resolves the corrosion of Al₂O₃, SiO₂, K₂O and Na₂O contained in 99% alumina materials from exposure to the high temperature process gas. Once corroded, these materials deposit downstream either in the catalyst bed or in the waste heat boiler leading to reduced efficiency and shut down.

HT-LC is the solution to this problem. In addition to enhanced corrosion resistance, Christy's HT-LC formulation provides superior catalyst hold down due to its 60% higher density compared to 99% Al₂O₃ materials. Alternatively, the height of HT-LC Hex-Tile can be reduced to maintain an equivalent HT-99 Hex-Tile weight and reduce cost.

HT-LC Hex-Tiles are available in the same sizes and configurations as HT-99 including Standard, Jumbo and our patented Super Jumbo Hex-Tiles as well as Circle Brick for installation around the perimeter of the vessel. An alternative to Hex-Tiles, our patented HT-LC PROX-SVERS® are available as 38, 50 and 76 mm diameter balls.

Typical Physical Properties

Porosity	13-16%
Bulk Density	4.9 g/cc
Max. Service Temp.	>1,900 °C
Compressive Strength	110-140 MPa

The above data are based on controlled testing. Individual test results may vary, therefore these data may not be used for specification purposes. **NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, ARE MADE REGARDING THE DATA OR PRODUCTS SHOWN ABOVE.**

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