

# DURAFRAX<sup>®</sup> 2000 HEX TILES

Saint-Gobain Durafrax<sup>®</sup> 2000 Hex Tile is a practical choice for lining high wear areas in fabrications with curved surfaces. Hex Tile conforms well to curves because of the small size and hexagonal shape. It offers the superior protection of Durafrax<sup>®</sup> in applications where the use of standard tile is impractical. Examples of typical Hex Tile installations include spout transitions, elbow patches, small diameter cones. Hex Tile are an excellent choice for complex shape installations which would normally require either a pre-engineered lining or an experienced installer.

Durafrax<sup>®</sup> offers excellent mechanical properties, superior wear resistance, and desirable corrosion performance. Installation of Hex Tile to protect system components from wear can result in substantial savings when you consider replacement costs, downtime, and equipment availability over the life of your equipment.

To learn more about Durafrax<sup>®</sup> 2000 wear systems and products, please contact your Saint-Gobain representative.



## Hexagonal Tile

Hexagonal tile comes in 6" × 6" sections mounted on flexible backing to conform to irregular surfaces. Four sections make up one square foot.

Saint-Gobain Part Number	Thickness	Square Feet Per Carton
58.2063-01	1/8"	13
58.2063-03	1/4"	7
58.2063-05	3/8"	5
58.2063-06	1/2"	4

## Bonding Makes the Difference

- Depending on your operating environment, Saint-Gobain will specify an appropriate adhesive to overcome limitations such as temperature, abrasion, and impact.

## Installation

- The mounting surface should be prepared as specified for the adhesive being used. The adhesive bed should be approximately 1/8" thick. The Hex Tile mats, with the mesh side away from the metal surface, should be firmly pressed into place allowing the adhesive to extrude up into the voids between the tiles. Adhesive which does extrude to the surface can be removed and smoothed over the surface with a trowel. The mesh backing will simply wear away soon after equipment start-up. Adhesive directions should be closely followed to ensure proper adhesion.

## Advantages of Using Hex Tile

- Installation of hexagonal shaped Durafrax<sup>®</sup> significantly reduces cutting and chipping that would be required to install large standard tile lining in irregular curved surfaces. The reduction in cutting and chipping speeds installation time and decreases material waste.
- Hex tile conforms well to curved surfaces because of the smaller size and hexagonal shape which provides a tight packing arrangement.
- When installing standard rectangular tile, care must be taken to avoid longitudinal joints parallel to the flow of material. This design consideration is totally eliminated with hex tiles because of the inherent features of the tile.
- Hex Tiles are a convenient repair and maintenance method for minimizing downtime because they are easy to install and can be used in a variety of applications.
- Hex Tiles are available in thicknesses 1/8 inch, 1/4 inch, 3/8 inch and 1/2 inch. They are a stock item for use in repair and maintenance.

## We sell solutions

Analyzing a wear problem is a complex process. Our design engineers understand wear problems and specify solutions to suit your operational environment. Material properties, engineering tolerances, attachment methods, and material costs are all considered in a Saint-Gobain wear solution

## Applications

- Chutes/Hoppers
- Classifier Cones
- Cyclone Separator
- Elbows
- Fan Housing & Blades
- Lined Piping
- Nozzles
- Wear Panels

## Markets

- Grain Handling
- Coal-fired Power Generation
- Abrasive Material Handling
- Chemical Processing
- Food Processing
- Iron/Steel Manufacturing
- Mineral Processing
- Powder/Bulk Solids Conveying
- Pulp & paper Manufacturing
- Pulverizing & Grinding
- Asphalt
- Cement

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