

Ceramic Lined Pipes & Elbows



Pre-Engineered Ceramic lined Pipes and Elbows.

Features & Benefits

Pipes and Elbows can be lined with a variety of Wear-Con's WC90™ Ceramic. These provide ultimate wear resistance from your most abrasive applications. A choice between **Pre-Engineered Pipe Brick** and **Cylinders** are installed based upon individual parameters. This will notate which type of **Pre-Engineered Ceramic** we would recommend. The other types of WC90™ Ceramic that can be used are **Plain**, **Weldable**, **HexTile**, and **Vacuum Bonded VB96™ Wear Tiles**. While lasting at least 10 times longer than mild steel, WC90™ Ceramic increases production time by decreasing downtime.

Installation

Wear-Con Ceramic lined Pipes and Elbows can be easily installed by flanges with ceramic lined elbows of any type. The flanges will be either fixed or rotating. Flanges cannot be welded onto ceramic lined pipe. We provide an adapter flange so that you can weld it to your existing piping system. Doing so will allow for the larger OD of a ceramic lined pipe or elbow to be retrofitted to your existing system. This process will maintain the same ID of your existing pipe.

(See reverse for Ceramic Lined Pipes & Elbows Technical Specification & Sizes.)

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Ceramic Lined

Pipes & Elbows

Technical Specifications

Wear-Con's WC90™ Pre-Engineered, Plain, Weldable, HexTile, and Vacuum Bonded VB96™ Ceramic Wear Tiles lined Pipes and Elbows provide resistance to wear in working temperatures as high as 2300°F. WC90™ Ceramics have a Moh's Scale 9 hardness, a 300,000 psi comprehensive strength, a 45,000 psi flexural strength and a 24,000 psi tensile strength.

Sizes

Wear-Con's Ceramic lined Pipes and Elbows can be fabricated in any size or dimension to fit your wear needs. The WC90™ Ceramic Tiles that are used also come in a variety of dimensions and thicknesses.



WC90™ HexTile Ceramic lined Pipe and Elbow.



WC90™ Weldable Ceramic lined Pipes and Elbows



VB96™ Vacuum Bonded Ceramic lined Pipes and Elbows.



WC90™ Plain Ceramic lined Pipes and Elbows.

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