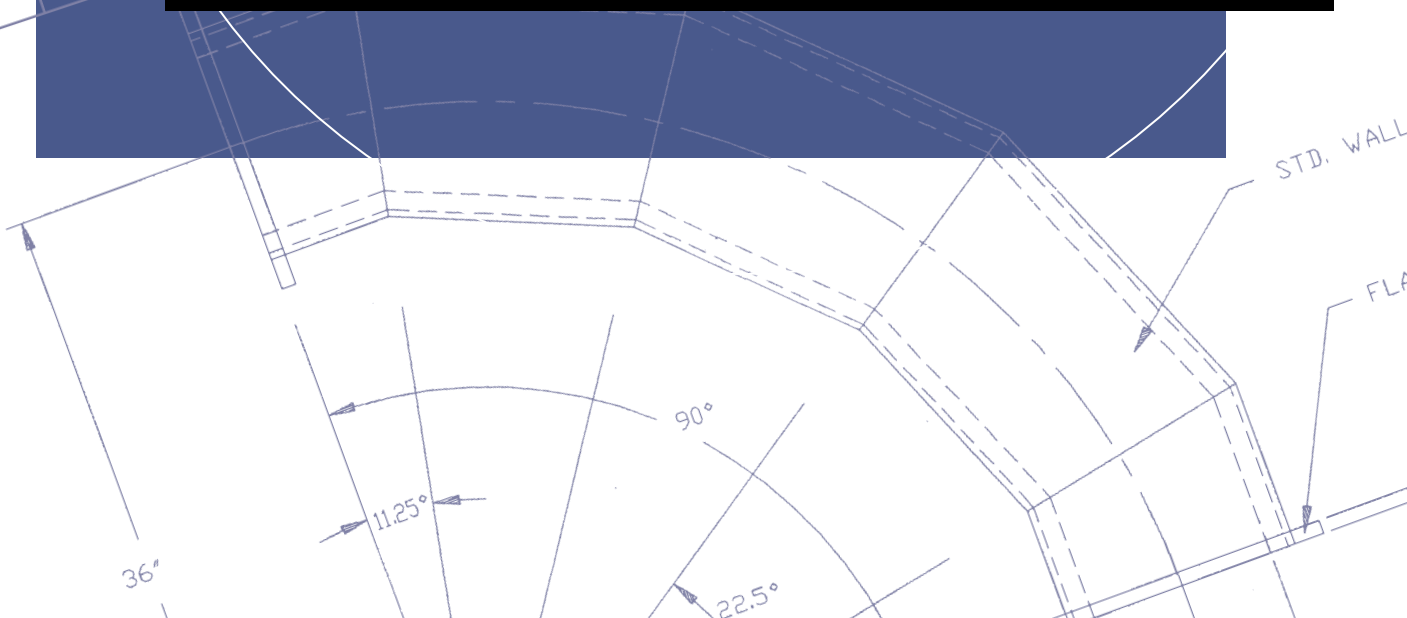


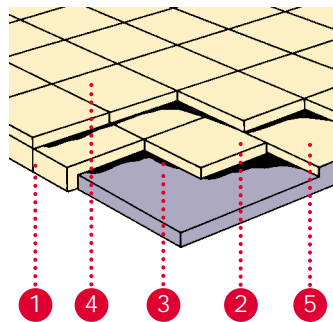
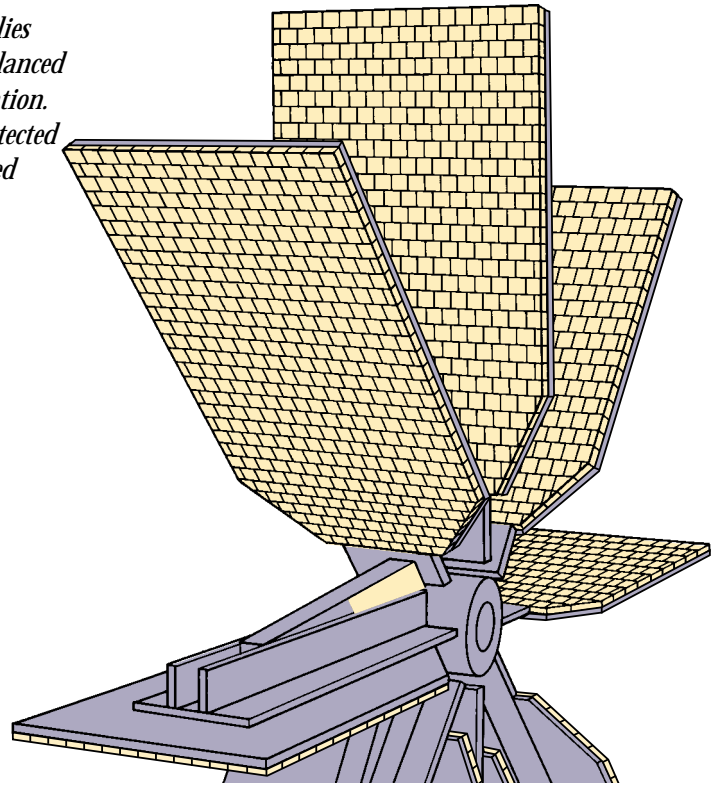
SERVING THE WORLD'S CERAMIC WEAR NEEDS



PATENTED CERA FAN SYSTEMS

CoorsTek provides the leadership, innovation and problem-solving capabilities to meet today's industrial requirements for technical ceramic products and systems. Staffed with experienced engineering, sales, manufacturing and field installation personnel, we are dedicated to serving the demands of today's industry.

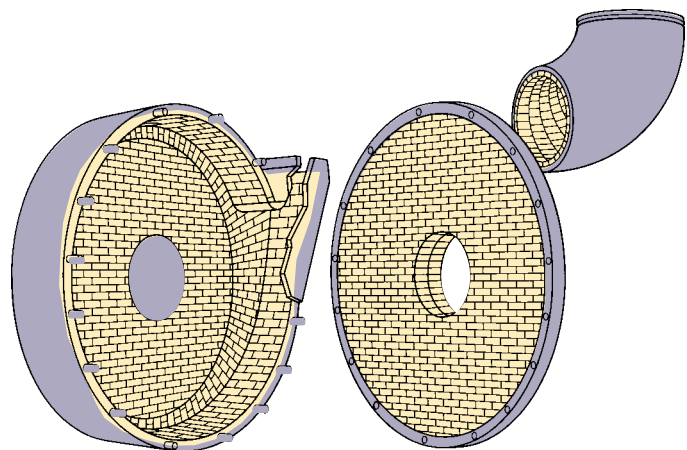
▶ CoorsTek fan assemblies manufactured and balanced for immediate installation. All wear areas are protected with Cerafan® bonded ceramics.



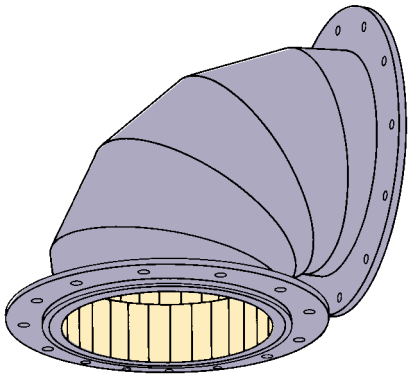
Fan Blade Detail

1. Edges diamond-ground when required.
2. 90% fine-grain alumina to maximize wear life and impact resistance.
3. High-tech bond matrix.
4. Tight, even construction is essential for maximum wear life.
5. Backing material (carbon steel, stainless steel, aluminum).

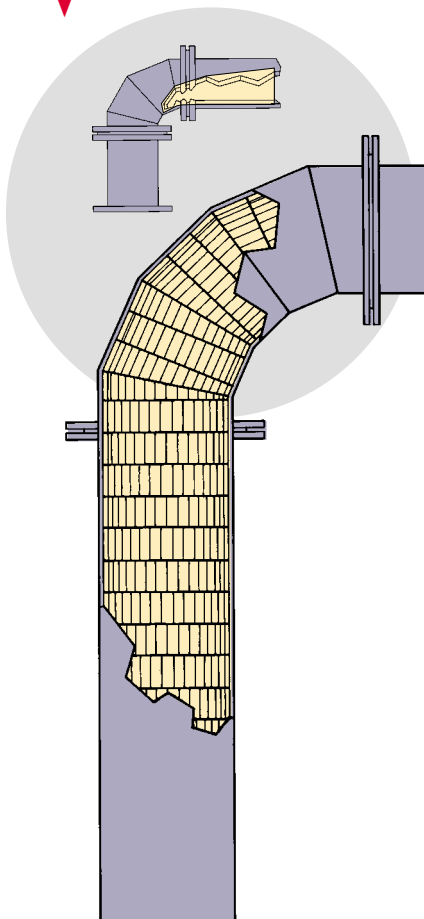
▶ Our AD-85 and AD-90 high-alumina linings for fan housings are designed and installed to maximize the wear life. On-site lining by experienced technicians, or reverse engineered fans are available.



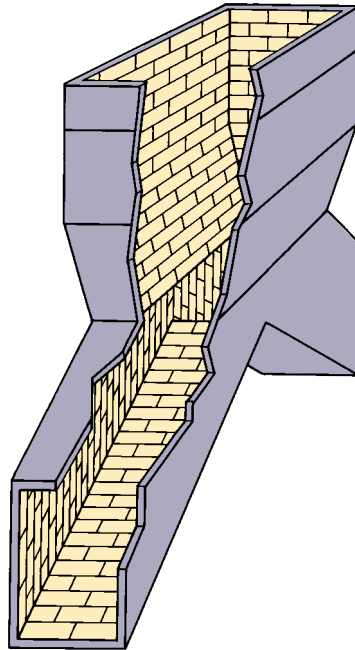
PROCESS PIPING



▲ CoorsTek can engineer and manufacture a totally new pipe system or individual components that will solve your piping problems. Ceramic linings are pre-engineered with proper side bevels to achieve full face-to-face contact and maximum interlock. Custom and standard end connections are available.

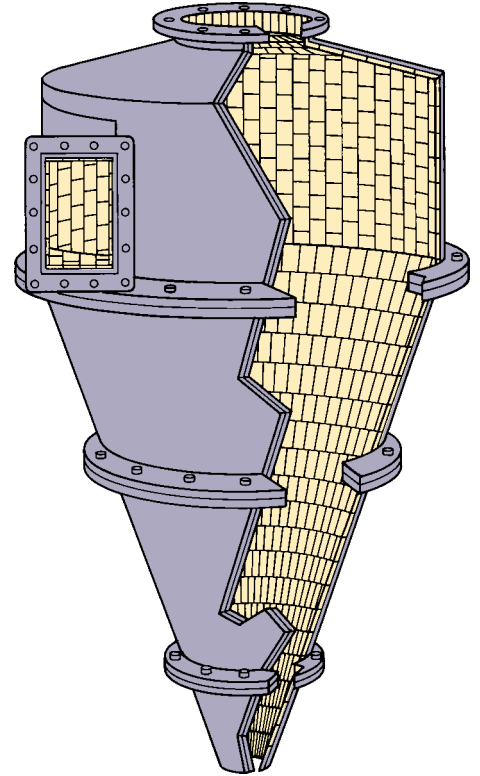


CHUTES



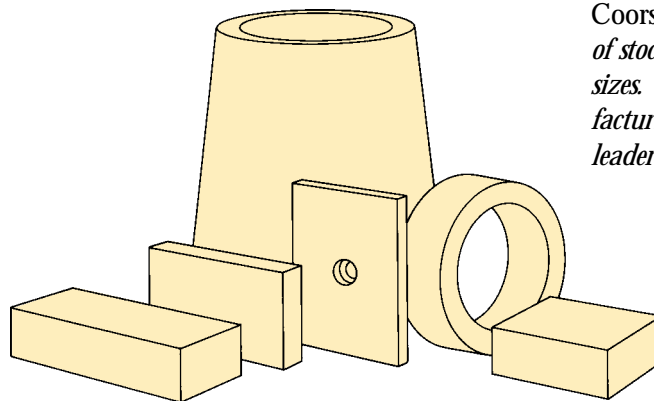
▲ Along with the proper ceramic selection and method of attachment, a CoorsTek experienced installer can line your chutes, hoppers, bins, etc. Take full advantage of the alumina ceramic properties of 0% porosity and uniform density to help eliminate chute plugging and wear.

CYCLONES



▲ CoorsTek cyclones are lined with standard and pre-engineered brick linings. Our engineers can select the proper alumina or silicon carbide ceramic material for each specific application.

BRICKS AND LININGS



▲ CoorsTek offers the largest selection of stocked standard alumina ceramic sizes. Our engineering and manufacturing capabilities make us the leader in custom parts.

MATERIALS :

Alumina Ceramics
 Silicon Carbide Ceramics
 Ceramic Beaded Compounds
 Adhesives, RTV, Coatings
 Ceramic/Metal Composites

SERVICES :

Design/Engineering
 Field Installation
 Steel Fabrication

INDUSTRIES :

Coal-Fired Power
 Mineral Processing
 Cement
 Steel
 Foundries
 Grain
 Aggregates
 Pulp and Paper
 Glass

INVENTORY :

AD-85 and AD-90
 Plain - 1 x 4, 4 x 3, 4 x 4, 4 x 6, Hex and
 Square Tile Mats, Pipe Brick
 Weldable - 2 x 6, 4 x 3, 4 x 4, 4 x 6 metal
 retainers pre-installed in brick
 Thickness Range from 1/8" to 2" for vari-
 ous sizes. Contact the sales department
 for other stock sizes and shapes.

CUSTOM ORDERED :

Pre-engineered liners for cones, elbows
 and laterals are available.

EPOXY PRODUCTS :

Wear compounds - Durall 55, HiTemp
 Durall 65, Quick Patch
 5-15, Durall Fineline
 Coatings - Durall 10 Tile Adhesive,
 Durall 93 HiTemp
 RTV - White and HiTemp Red

PATENTED CERAFAN®**PRODUCTS :**

Fan Blades and Assemblies
 Valve Gates
 Pump Lining
 Impact Panel

TECHNICAL SERVICES :

Engineering
 Auto Cad Design
 Reverse Engineering
 Hanger Studies for Pipe System
 Pipe Design

FIELD INSTALLATION :

Our experienced technicians can
 install ceramic in fans, chutes, ducts
 and other process equipment.

FABRICATION :

We do system and component fab-
 rication of all standard metals and
 have complete pipe manufacturing
 capabilities.

WEAR RESISTANT CERAMIC MATERIALS :

	AD-85	AD-90	SCRB	SCNB
Specific Gravity: ASTM C20	3.41	3.60	3.10	2.60
Hardness: ASTM E18 R45N	73	79	88	—
Average Crystal Size: Thin Sections Microinches	6	4	N/A	N/A



Golden Operations
 600 9th Street
 Golden, CO 80401
 USA

+1.303.277.4057 Tel
 +1.303.277.4990 Fax

wear@coorstek.com
 www.coorstek.com