Flo Lined

Treatment to Tube & Pipe for preventing "Angel Hair" & "Snake Skin" in plastics conveying systems.

Theory Behind "Flo Lining"

The interior of tube or pipe (11 ga. minimum) has a hammered finish applied to it. The finish is extremely irregular without the sharpness encountered in sandblasting. Testing has proven that the surface hardness increased as much as 10% due to the hammered stress.

Conveying lines which utilize Aluminum alloys will work harden therefore increasing the life of the textured surface. When originally tested the hammered finish scored so low that the tests were repeated several times to be certain that the generation of fines, fluff and streamers were consistent. *Aluminum or Stainless Steel Tube & Pipe are available for lining.

***Copy of report available upon request.**

Ceramic Lining

Treatment to Tube & Pipe for reducing abrasion in conveying systems.

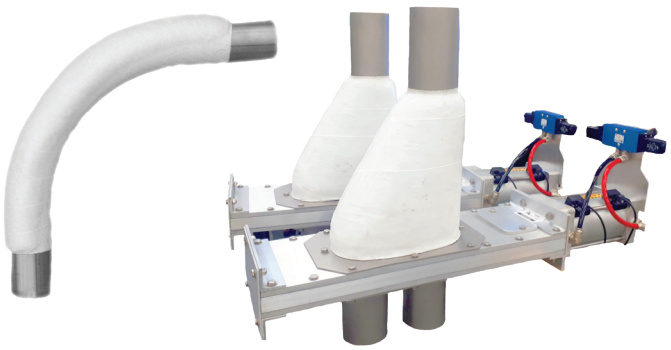
Process of "Ceramic Lining"

The Elbow or Fitting is cleaned. The Ceramic is pumped into the Elbow or Fitting and hot air dried. After the moisture is out of the Elbow it is placed in a furnace at 1560° to fuse the Ceramic on the interior of the Elbow. The hardness of the Ceramic is between 8-10 on the MoHs scale. This interior coating can be applied as a single coat (6-8 thou thick) or a double coat (10-12 thou thick). The Ceramic lining provides a long lasting interior on Elbows or Fittings to prevent abrasion. Carbon Steel is the preferred material to line. Stainless Steel can be done as well.

Other services available | Cement backed Elbows | Replacement Back Elbows

"Ceram Back"® Elbows & Fittings

The Ceram Back Elbow has a jacket across the back of the core Elbow which is approximately 1/2" of Ceramic compound. This compound has a MoHs hardness of 9+. The Ceramic jacket and core Elbow is then wrapped with an exterior material to maintain hoop strength. Once the core Elbow has worn through, the abrasion is transferred to the Ceramic outer jacket. The core also acts as a static conductor.



Lorenz CANADA 1-800-263-1942 USA 1-800-263-7782
P.O. Box 1002 Cobourg, Ontario K9A 4W4, Canada
www.lorenzproducts.com