

Griffin's ductile iron Sewer Pipe and Fittings are ideal for all tough applications. The durability and strength of our ductile iron is complemented by PROTECTO 401™ Ceramic Epoxy Lining which has been both laboratory tested and field tested by over two decades of sewer service in thousands of sanitary applications.

The PROTECTO 401 lining provides a high degree of reliability because it was specifically developed for the protection of ductile iron components used in sewer pipe service. The unique formulation delivers superior resistance to chemical attack, excellent durability, and also resistance to undercutting.

## PROTECTO 401 Lining has been thoroughly tested.

It withstands —

- *20% Sulfuric Acid*  
No Effect after Two Years  
(When rated using ASTM D 714 for evaluating the degree of blistering)
- *25% Sodium Hydroxide*  
No Effect after Two Years of Immersion at 140°F  
(When rated using ASTM D 714 for evaluating the degree of blistering)
- *Salt Spray*  
No Undercutting on a Scribed Ductile Iron Panel after Two Years  
(When measured using ASTM B 117 and when rated using ASTM D 714 for evaluating the degree of blistering)
- *Distilled Water*  
No Effect after Two Years of Immersion at 160°F  
(When rated using ASTM D 714 for evaluating the degree of blistering)

And provides —

- *Abrasion Resistance*  
Less than 3 Mil (0.075 mm) Loss after One Million Cycles  
(An abrasion tester with sharp natural siliceous gravel – particle size range of 2 mm to 10 mm – using a plus 22.5° to minus 22.5° sliding aggregate slurry)

## PROTECTO 401 —

Is resistant to a wide range of materials that might be introduced to a sewer line, such as fuels, detergents, oils, greases and solvents.

## PROTECTO 401 Ceramic Epoxy™ Sewer Pipe & Fittings

- Griffin Pipe Products Co. can furnish ductile iron pipe and fittings in nominal sizes from 4" to 48".
- PROTECTO 401 is amine cured-with novalac and ceramic quartz pigment
- PROTECTO 401 is intended for use in domestic sanitary applications.  
(Consult Griffin Pipe regarding any planned industrial sewer applications.)
- All Griffin Sewer Pipe is clearly marked for easy identification in the field.