

SIGMA PROTECTIVE FUSION BONDED EPOXY COATED AWWA FITTINGS

Product Information Sheet

SIGMA FBE Coated Fittings are NSF61 and Annex G approved for potable water applications. The Epoxy Coated Fittings meet or exceed ANSI/AWWA C116/A21.16 and C550 standards (Protective Fusion-Bonded Epoxy Coatings for the Interior and Exterior surfaces of Ductile-Iron and Gray-Iron fittings for water supply service).



Product Description

FBE is a high performance anti-corrosion coating that provides excellent protection for ductile and gray iron fittings with moderate operating temperatures.

Applications

FBE coating has a successful long history of usage in the waterworks industry on the following categories of products:

- Fire hydrant components
- Check valves
- Resilient wedge seated gate valve
- Industrial valves

Approvals and Standards



Corrosion Protection

- FBE's excellent adhesion to fittings provides superior long term corrosion resistance and protection of SIGMA's fittings operating at moderate temperatures.
- Superior adhesion properties provide excellent resistance to cathodic disbondment which reduces the total cost of cathodic protection during the operation of the pipeline.

Properties

Color	Red
Coating Thickness	8 mils min.
Adhesion	5A of ASTM D3359 Method A -- X cut and tape.
Adhesion	5B of ASTM D3359 Method B -- Crosscut and tape.

- FBE coated fittings of SIGMA are available from 2" to 48" in accordance with ANSI/AWWA C153/A21.53 and ANSI/AWWA C110/A21.10
- Coating provides a smooth inner surface with less frictional losses.
- Epoxy coating allows for use in many wastewater applications where cement lining is not acceptable.