



Ductile Iron Pipe
Research Association

Strength and **Durability** for **Life**[®]

CORROSION CONTROL/FEATURES

Linings Available for Ductile Iron Pipe & Fittings

Last Revised:
February 2017

Description	Maximum Service Temperature (°F) ¹	Uses	Thicknesses
Portland Cement Mortar ² with Sealcoat without Sealcoat	150° 212°	Common: Drinking Water Sea Water Non-Septic Gravity Sewers Sanitary Sewer Force Mains Reclaimed Water	Standard or Double (ANSI/AWWA C104/A21.4)
Fusion-Bonded Epoxy (Fittings Only)	120° - 150° ¹	Common: Drinking Water Non-Septic Gravity Sewers Sanitary Sewer Force Mains Reclaimed Water	(ANSI/AWWA C116/A21.16) ⁴
Petroleum Asphalt Coating	150°	Common: Air	1 mil (nominal)
Ceramic Quartz Filled Amine Cured Novalac Epoxy ³	120° - 150° ¹	Common: Septic Sewers Acids Alkali Waste Pickling Brine Other Acceptable Services: Reclaimed Water	40 mil (nominal)

¹Maximum service temperatures listed are intended as general guidelines which may vary depending on service conditions and lining formulation. Consult pipe manufacturer for specific recommendations.

²ASTM C150 Type V sulfate resisting cement is recommended for seawater applications and some reclaimed water applications. Consult pipe manufacturer for specific reclaimed water recommendations.

³Consult pipe manufacturer for specific service use and material details.

⁴Recommended lining thicknesses may vary depending on service conditions, epoxy formulation, diameter, and other variables. Consult fitting manufacturer for specific recommendations.

For more information contact DIPRA or any of its member companies.

Ductile Iron Pipe Research Association

An association of quality producers dedicated to the highest pipe standards through a program of continuing research and service to water and wastewater professionals.

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Social Media

Get in the flow with Ductile Iron Pipe by connecting with us on Facebook, Twitter, and LinkedIn.

Visit our website, www.dipra.org/videos, and click on the YouTube icon for informational videos on Ductile Iron Pipe's ease of use, economic benefits, strength and durability, advantages over PVC, and more.



Member Companies

AMERICAN Ductile Iron Pipe
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Ductile Iron Pipe is  SMART certified