

# SIGMASAFE SUPERIOR EXTERNAL COATING FOR C110 DUCTILE IRON FLANGED FITTINGS

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### BASIC SPECIFICATIONS

- SIZES:** • 2" - 64"
- MATERIAL:** • Ductile Iron ASTM A536 Grade 60-42-10, 65-45-12 or 70-50-05.
- PRESSURE:** • 250 PSI Water Working Pressure for Ductile Iron sizes 2" - 48".  
• 150 PSI Water Working Pressure for Ductile Iron sizes 54" - 64".
- TESTING:** • In accordance with ANSI / AWWA C110 / A21.10 where applicable.  
• Other items are in accordance with manufacturer's standards.  
• 54" and above Flanged Fittings are manufactured as per AWWA C153/A21.53.  
• All fittings are hydrostatically tested in accordance with SIGMA Quality Management Standard.  
• All fittings are heat coded to ensure traceability and verification of metallurgical properties in accordance with SIGMA Quality Management Standards.
- LAYING LENGTH:** • In accordance with ANSI / AWWA C110 / A21.10 where applicable.  
• Other items are in accordance with manufacturer's standards.  
• 54" and above Flanged Fittings are manufactured as per AWWA C153/A21.53.
- COATING:** • **SIGMASAFE** coated Ductile Iron Fittings provide the benefits of a zinc rich primer coating with the added benefits of a barrier top coating.  
• Tnemec Series 94H20 Hydro-Zinc primer provides a zinc layer for protection of the substrate and is ANSI/NSF Std. 61 Certified.  
• Tnemec Series 22 Epoxoline Finish Coat is an Modified Polyamine Epoxy that is ANSI/NSF Std. 61 Certified. The Finish is comparable to other durable barrier coatings such as Fusion Bonded Epoxy and provides a hard slick finish.
- GASKETS:** • SBR in accordance with ANSI/AWWA C111/A21.11 & ANSI/AWWA C111/A21.11.  
• Also available in EPDM, NBR and CR.
- APPROVALS:** • 2"-16" Underwriters Laboratories listed and Factory Mutual Approved.
- STANDARDS:** • Certified to NSF61 Standard including Annex G & 372.  
• ANSI / AWWA C110 / A21.10 Where applicable.  
• Other items are in accordance with manufacturer's standards.  
• 54" and above Flanged Fittings are manufactured as per AWWA C153/A21.53.
- INSTALLATION:** • Per ANSI/AWWA C600 and C111 using DIP conforming to C150/C151 and PVC pipe conforming to C900/C905.