PROTECTO 401

Ceramic Epoxy Lined Ductile Iron Fittings

SIGMA™

Quality – Service – Commitment – Delivered.

PROTECTO 401 C110 DUCTILE IRON MECHANICAL JOINT FITTINGS

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BASIC SPECIFICATIONS

SIZES:
- 2” - 48”

MATERIAL:
- Ductile Iron ASTM A536, Grade 65-45-12, 60-42-10 or 70-50-05.

PRESSURE:
- 350 PSI Water Working Pressure 2” - 24”.
- 250 PSI Water Working Pressure 30” - 48”.

TESTING:
- In accordance with ANSI/AWWA C110/A21.10
- In accordance with UL - FM requirements.
- 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 the prevailing standards and SIGMA Quality Management Standards.

LAYING LENGTH:
- In accordance with ANSI / AWWA C110/A21.10.

DEFLECTION:
- Maximum allowable deflection for MJ Joint on a full length pipe is as mentioned below:

1. 3” - 4” = 8 Degrees
2. 6” = 7 Degrees
3. 8” - 12” = 5 Degrees
4. 14” - 48” = 3 Degrees

COATING:
- Interior of fitting is lined with Protecto 401 (ceramic epoxy coating) standard for lining ductile iron pipe and fittings. Designed specifically for the protection of ductile iron for sanitary sewer service by providing a reliability similar to cement mortar lining in drinking water service but having the excellent chemical resistance of a novalac epoxy for septic sewer service.
- *Exterior of fitting is seal coated (asphaltic material) in accordance with ANSI/AWWA C110/A21.10 and NSF/ANSI/CAN 61 and NSF/ANSI 372.

GASKETS:
- SBR in accordance with ANSI/AWWA C111/A21.11.
- Also available in EPDM, NBR and CR.

T-BOLTS:
- Low Alloy corrosion resistant high strength steel in accordance with ANSI/AWWA C111/A21.11.

APPROVALS:
- 3”-16” Underwriters Laboratories listed and Factory Mutual Approved.

STANDARDS:
- ***Exterior coating** certified to NSF/ANSI/CAN 61 and NSF/ANSI 372.
- ANSI / AWWA C110/A21.10 for Full Body Ductile Iron Fittings 2”-48” for water and other liquids.

FM APPROVED

Certified to NSF/ANSI/CAN 61 and NSF/ANSI 372