

ISO 24131-2:2023-03 (E)

Internal protection by polymeric lining for ductile iron pipes - Requirements and test methods - Part 2: Epoxy lining

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Technical requirements	3
4.1 General	3
4.2 Surface preparation	3
4.3 Lining appearance	4
4.4 Minimum lining thickness	4
4.5 Adhesion (pull off test/cross cut knife test)	4
4.6 Cross linkage (MIBK/Tg)	4
4.7 Non-porosity	4
4.8 Protection of pipe ends	4
4.9 Marking	5
4.10 Repairs	5
5 Performance requirements	5
5.1 General	5
5.2 Materials in contact with water intended for human consumption	5
5.3 Abrasion resistance only for sewage applications	5
5.4 Chemical resistance only for sewage applications	6
5.5 Impact resistance	6
5.6 Indirect impact resistance	6
5.7 Resistance to hot water	6
5.8 Resistance to ovalization	6
6 Test methods	6
6.1 Routine tests	6
6.1.1 Surface preparation	6
6.1.2 Lining appearance	6
6.1.3 Lining thickness	7
6.1.4 Adhesion	7
6.1.5 Cross linkage (MIBK/Tg)	7
6.1.6 Non-porosity	7
6.1.7 Marking	7
6.1.8 Repairs	7
6.2 Performance test	8
6.2.1 Abrasion resistance only for sewage applications	8
6.2.2 Chemical resistance only for sewage applications	8
6.2.3 Impact resistance	8
6.2.4 Indirect impact resistance	8
6.2.5 Resistance to hot water	8
6.2.6 Resistance to ovalization	8
Annex A (normative) Quality assurance	10
Annex B (normative) Cross cut knife test method	12
Annex C (informative) Handling, transportation and storage	13
Bibliography	14