Hellenic Accreditation System

Annex F1/D17 to the Certificate No. **64**-8

SCOPE of ACCREDITATION

of the

Testing Laboratories

of the

Materials Industrial Research and Technology Center S.A. (MIRTEC S.A.) (Thessaloniki Laboratory)

Materials / Products to be tested	Types of test / Properties to be measured	Applied methods / Techniques to be used	Range of measurement
Physical tests			
1. Pipes (U-PVC) diameter Φ40-Φ630.	Test of tightness of socket joint subjected to air or water pressure and load, angular deflection.	ELOT EN ISO 13254:2017 ELOT EN ISO 13259:2020	(-0,5 ÷ 0,5) bar* pass/fail test
2. Pipes (U-PVC) diameter Φ50 - Φ630.	Test of resistance to internal pressure 20, 60, 80 °C for 1, 100, 1000, 8740 h.	ISO 1167-1:2006 ISO 1167-2:2006	(0,5 ÷ 100) bar* pass/fail test
3. Pipes (PE) diameter Φ16 - Φ 630.	Test of resistance to internal pressure 20, 80 °C, for 1, 100, 165, 170, 1000 h.	ISO 1167-1:2006 ISO 1167-2:2006	(0,5 ÷ 100) bar* pass/fail test
4. Pipes (PEX), (PP), (PB) diameter Φ10-Φ160.	Tests of resistance to internal pressure 20, 95, 110 °C for 1, 165, 1000, 8760 h.	ISO 1167-1:2006 ISO 1167-2:2006	(0,5 ÷ 100) bar* pass/fail test
5. Raw material or filings of final products (PE), (PP), (PS).	Determination of melt flow index (MFI).	ELOT EN ISO 1133-1:2022	(0,1 ÷ 25,0) g/10 min
6. Pipes samples (U-PVC), (PE), (PEX), (PP), (PB).	Heat resistance test.	ELOT EN ISO 2505:2023	(100 ÷ 200) °C
7. Samples (U-PVC), (PE), (PP), (PB).	Determination of softening temperature VICAT.	ELOT EN ISO 306:2022 ELOT EN ISO 2507-1:2017	(10 ÷ 90) °C
8. Pipes samples (U-PVC) diameter Φ32-Φ500.	Method for visually assessing the effects of heating	ELOT EN ISO 580: 2005 (Method A - Furnace)	(80 ÷ 200) °C
Materials / Products	**Types of test / Properties**	**Applied methods /**	**Range of measurement**

to be tested	to be measured	Techniques to be used	
Dimensional tests			
1. Samples (U-PVC), (PE), (PEX), (PP), (PB).	Dimensions and surface control.	EN ISO 3126:2005	(0,05 ÷ 1000) mm
Mechanical tests			
2. Pipes samples (U-PVC) diameter Φ40 – Φ630.	Resistance to falling weight impact test.	ELOT EN ISO 3127:2018	(1 ÷ 2) m, (0,25 ÷ 7,5) kg pass/fail test
3. Pipes samples(U-PVC, PE,PP) diameter Φ110 – Φ1200.	Determination of ring stiffness	ELOT ISO 9969:2016	(0 ÷ 600 kN)
4. Pipes samples (U-PVC, PE,PP) diameter Φ110 – Φ1200.	Determination of ring flexibility	ELOT ISO 13968:2008	(0 ÷ 600 kN)
5. Pipes samlpes (U-PVC, PE) diameter Φ32 – Φ630.	Tensile properties	ELOT EN ISO 6259-1:2015 ELOT EN ISO 6259-3:2015	

** The range of measurement of pressure refers to gauge pressure.*

Site of assessment : **Laboratory permanent premises, Industrial Area of Thessaloniki, 57022 Sindos, Greece.**

Approved signatory: **G. Archontis, M. Chasapis, I. Stanios.**

This Scope of Accreditation replaces the previous one dated January 09th , 2025.

The Accreditation Certificate No. **64-7**, to ELOT EN ISO/IEC 17025:**2017**, is valid until 31.08.2026, according ESYD decision.

Athens, February 10th , 2026

Konstantinou Evangelos Apostolos
CEO of ESYD