Epoxy 8910 PW × 2 coats

IPC-PT-IC-2L-01-SS · OEM — *Potable Water Immersion Lining System (SANS 1217)*

2 COATS	Im1	400 µm	HIGH	Sa 2½
SYSTEM BUILD · NUMBER OF COATS	ISO 12944-2:2017 ENVIRONMENT	TOTAL SYSTEM DFT	EXPECTED DURABILITY · 15–25 YRS	SURFACE PREPARATION GRADE

DESCRIPTION

A fast-cure, high-solids amine epoxy lining applied in two coats for potable and raw water immersion. Self-priming direct to blast-cleaned steel with rapid return to service — hard dry in 8 hours at 25 °C — and certified for drinking water contact.

Epoxy 8910 PW — Two-component, high-solids, high-build amine-cured epoxy for immersion conditions with exceptional chemical resistance. Conforms to SANS 1217:2011 Type 1A lining including drinking water requirements.

SYSTEM BREAKDOWN

SYSTEM BUILD — LAYER · VOLUME SOLIDS · DFT · THEORETICAL YIELD

Layer	Product	Vol. Solids	DFT	Theoretical Yield[1]	Comments
1st coat	Epoxy 8910 PW	86%	200 µm	4.3 m²/L @ 200 µm	Direct to metal, self-priming
2nd coat	Epoxy 8910 PW	86%	200 µm	4.3 m²/L @ 200 µm	Pinhole-free build; overcoat from 6 h @ 25 °C
TOTAL	**Total system dry film thickness**		**400 µm**	*max 450 µm for immersion — TDS limit*	

[1] Theoretical yield = Volume Solids × 10 ÷ DFT (µm), per product TDS — allow for application loss factors.

SURFACE PREPARATION

Abrasive blast clean to Sa 2½ (ISO 8501:2007) / SSPC-SP10, sharp angular profile 50–70 µm. Apply before oxidation occurs — re-blast any oxidised areas. Holding primer (Epoxy Holding Primer 15–25 µm) may be used. Concrete: remove laitance by light abrasive blasting.

OVERCOATING INTERVALS

DRYING & OVERCOATING — SUBSTRATE TEMPERATURE AS STATED

Product	Minimum	Maximum	If window exceeded / notes
Epoxy 8910 PW (each coat)	6 h @ 25 °C	28 days @ 25 °C	Induction period 5 min after mixing; ≤450 µm total for immersion

Overcoating information is a guide only and is subject to climate and site conditions — the product TDS governs.

INTENDED USES & BENEFITS

- Potable water steel pipelines, tanks and hydroelectric installations
- Cast iron valves, pumps, steel gates, screw pumps and sewage equipment
- Raw and treated water installations, cooling water ducts
- Mining applications — thickener tanks and rake arm linings

ISO 12944 CLASSIFICATION & EXPECTED DURABILITY

Environment classification	Im1 fresh water immersion (ISO 12944-2:2017); SANS 1217:2011 Type 1A
Expected durability	High (15–25 years, ISO 12944-1:2017)

SANS 1217:2011 drinking-water conformance per TDS certification; durability statement is a Specialized Coating Systems technical assessment for correctly applied linings.

NOTE: All products shall be applied according to the instructions and within the application parameters given on the Speccoats™ Technical Data Sheet (TDS) for each product — the TDS governs in any conflict. Expected durability = time to first major maintenance (ISO 12944-1:2017), not a guarantee.