

GENERAL DESCRIPTION

AXEL ETL 709 is a two components epoxy base chemical resistant tank lining system designed for long term service through a broad spectrum of chemicals and severely corrosive environments with anti-root properties in landscaping architectural works.

The highlight factors of **AXEL ETL 709** system is its ability to withstand corrosion and abrasion free from severe organic and inorganic solvent waste, waste water, sludge, sea water etc.

AXEL ETL 709 is also used as a heavy duty waterproof tanking lining to water tanks, swimming pools or any concrete tanking containment.

RECOMMENDED USES

- * Water treatment tanks
- * Planter box structures
- * Electronic and textile refineries
- * Pulp and paper plant
- * Food, beverage, pharmaceutical industries
- * Petrol, diesel tanks
- * Water retaining structures
- * Oil and chemical refineries

CHARACTERISTICS & ADVANTAGES

- * Good flexibility
- * Very tough and durable
- * Seamless without joints
- * Good chemical resistance to various industrial chemicals
- * Very high bond strength
- * Good anti-corrosion properties
- * Tough with good anti-root properties

COVERAGE

Approximately 2-3 m²/ kg

(Coverage may vary depending on substrate condition)

COLOURS

Grey ash

PACKING

30 kg per set (Part A: 25 kg per pail Part B: 5 kg per pail)

STORAGE

Store in a dry, cool and shaded place



SURFACE PREPARATIONS

Ensure that all surfaces are clean and free from dirt, grime, oil, old paint etc. The substrate test is prepared by blasting it with copper slag to S.A. 2.5 Swedish Standard before application of **AXEL ETL 709** system. All concrete substrates must be sound and free from honeycomb or cracks. Repair the structure with **AXEL MORTAR 303** grout before any works can begin. Ensure that the concrete is sufficiently cured for 28 days and free from water moisture.

METHOD OF APPLICATION

To Metal Tanks or Structures

- * Remove all oil, old paints or rust by blasting it to S.A. 2.5 Swedish Standard.
- * Apply 200 micron of **AXEL ETL 709**, over surface and lay it with Fiberglass chop strand while it is still wet.
- * Roll over evenly all air pockets with a spike roller.
- * Apply 2nd layer of **AXEL ETL 709**, overlay it with Fiberglass chop strand while it is wet. Continue this operation until the 4th layer of Fiberglass chop strand.
- * Apply sealing coat of **AXEL EPPU 710** at 2 coats at 200 microns per coat. *(Depend on requirement specification)*

To RC Concrete Tanks or Structures

- * Ensure that the concrete is sound and repair all honeycomb with **AXEL MORTAR 303**. Clean away dirt and old linings.
- * Apply 200 micron of **AXEL ETL 709** over surface and lay it with Fiberglass chop strand while it is still wet.
- * Roll over evenly all air pockets with a spike roller.
- * Apply 2nd layer of **AXEL ETL 709**, sprinkle sand particles to the surface.
- * Allow coating to dry overnight.
- * Mix **AXEL AQUASHIELD 100GG** Part A & B with power stirrer until a homogeneous mix.
- * Proceed to apply with bristle broom brush over the wall and floor in one direction.
- * Allow to dry. After that apply 2nd coats of **AXEL AQUASHIELD 100GG** in opposite direction.
- * Apply **AXEL AQUASHIELD 100GG** to outlet pipes and edges

Post Waterproofing Stage

- * Allow to dry for minimum 3 days before ponding test is conducted.
- * Saturate water to the water tank
- * Allow water to pond for 24 hours
- * Release water outlet.

Notes:

- * **AXEL ETL 709** NOT suitable applied on concrete surfaces which have rising dampness, potential osmosis problem or high relative humidity.

CLEANING OF TOOLS

Clean all tools and application equipment with solvent immediately after use. Hardened or cured material can only be mechanically removed.

TECHNICAL SPECIFICATIONS

No of components	Two
Mixing ratio	5 : 1 (A:B)
Finishing	Matt
Thinning	Not required
Adhesion strength (on concrete)	> 1.0 Mpa ASTM D4541
Drying time (25°C) <i>(Times will be affected by changing ambient conditions particularly temperature and relative humidity.)</i>	Tack free : ~ 90-120 minutes Recoat : 12-16 hours Fully cure : 7 days

SHELF LIFE

12 months from the date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions.

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