

GENERAL DESCRIPTION

AXEL EPOTAR 707 is a two-component high build coal tar epoxy coating system. It is supplied in pre-weighed packs ready for on-site mixing and use.

AXEL EPOTAR 707 when cured will form a hard, semi-flexible and matt finishing. It is commonly used as a protective system on steel and concrete surfaces. It is intended for immersion and non-immersion services which require excellent protection against fresh and salt water, abrasion and splashes of corrosive chemicals meanwhile also providing protection from rust and corrosion.

RECOMMENDED USES

Protective and heavy-duty coating for:

- * Sewage treatment plant
- * Underwater hull, piling and pipelines
- * Refineries and chemical plants
- * Penstocks, deck gates
- * Other severe corrosion environments
- * R.C roof tops
- * Wharves
- * Ballast tank lining
- * Waterproofing
- * Concrete walls and floors

CHARACTERISTICS & ADVANTAGES

- * High film build capability on single coat application.
- * Suitable to be used with cathodic protection.
- * Excellent resistance to splash and spillages of corrosive chemicals and solvents.
- * Heat resistance up to 80 °C
- * Provides tough, resilient, highly adherent protective coating.
- * Tough waterproofing membrane
- * Prevents rust and corrosion

COVERAGE

Approximately 5-6m² per litre at 125 microns dft
(Coverage may vary depending on substrate condition)

COLOURS

Black

PACKING

20 kg per set (Part A: 17.25 kg per pail Part B: 2.75 kg per can)

STORAGE

Store in a dry, cool and shaded place



SURFACE PREPARATION

The substrate to be treated must be dry, clean and free from oil, grease and other contaminants. Cement laitance, loose particles, cured membranes, etc. must be removed.

Any cracks, honeycomb or uneven surfaces should be repaired before application.

New concrete structures should be cured for at least 28 days.

METHOD OF APPLICATION

* Mix **AXEL EPOTAR 707** part A and part B homogenously with low speed mechanical mixer. Over stirring should be avoided to prevent air entrapment in the material.

* Evenly applied **AXEL EPOTAR 707** across the surface with a roller, brush or airless spray.

* A minimum of two coats are recommended and shall be done in a criss-cross manner between coats.

* Suggested re-coating interval: 16 hours (depending on temperature and humidity).

* **AXEL EPOTAR 707** will be hardened and cannot be kept once Part A and Part B are mixed. Thus, mix according to required usage to prevent material wastage.

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	6.27 : 1 (A:B)
Specific gravity	Approximately 1.5 kg/l
Pot life	1 hour at 25 °C and shorter at higher temperature
Thinning	Not more than 10% of AXEL SOLVENT 914
Recommended dry film thickness (dft)	125-200 microns per coat
Adhesion strength (on concrete)	≥ 1.5 MPa ASTM D4541
Drying time (28 °C)	Tack free : 1 hour Re-coat : 16 hours (depending on temperature and humidity) 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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