

VCOBOND ARC-5800**VCOBOND**

CONSTRUCTION CHEMICALS

DESCRIPTION: -

VCOBOND ARC-5800 is an acid & Alkali resistant, room-temperature cured, 100% solids epoxy coating for application to concrete. It is very suitable for long term protection and chemical resistance to infrastructure assets, services and splash zone areas.

FEATURE / ADVANTAGE: -

- Monolithic Protection
- Excellent adhesion
- Broad chemical resistance
- Abrasion, Erosion and Impact resistant
- Excellent mechanical properties.
- Solvent Free
- Resists 98% sulphuric acid*

TYPICAL PROPERTIES: -

Typical data	VCOBOND ARC-5800
Color	Pigmented
Solids	60 %
Mixing ratio by volume	2:1
Coverage	70-80 sq. Ft.
Pot life	60 min.
Initial setting	3 hrs.
Hard set	36 hrs
Packaging	1.5 lit
Gel time (77 f)	65-80 min.

PHYSICAL PROPERTIES: -

Technical data	VCOBOND ARC-5800
Compressive Strength	>75 MPa
Flexural Strength	> 10 MPa
Tensile Strength	> 10 MPa
Tensile Bond Strength (concrete)	3.8 MPa (concrete failure)
Water permeability	1.2 x 10 ⁻¹⁶ m.s ⁻¹
Temperature Resistance	Wet: 65°C; Dry: 150°C

CHEMICAL PROPERTIES: -

REAGENT	RATING	REAGENT	RATING
Acetic Acid	R	Methyl Ethyl Ketone	L
Acetone	L	Hydrochloric acid 36%	R
Methylene chloride	R	Urea	R
Crude Oil	R	Bleach	L
Diesel Fuel	R	Citric Acid	R
Ethylene Glycol	R	Sodium Hydroxide 50%	R
Fatty Acids	R	Sulfuric Acid 98%	R
Gasoline	R	Toluene	R
Lactic Acid	R	Nitric Acid 20%	R

R- Recommended for intermittent immersion.

L- Limited recommendation, occasional spills.

APPLICATION AREAS: -

- Ideal coating for chemical storage tanks, walls, and floors.
- D.M. Plant,
- E.T.P. waste water tanks,
- R.O. plant waste water tank.
- Neutralization pits

SURFACE PREPARATION:-

For surface preparation follow procedure of VCOBOND EPB-5110 concrete primer. After 8 hrs of primer application apply VCOBOND ARC-5800

DIRECTION FOR USE:-

- **MIXING** - VCOBOND ARC-5800 Part A & Part B are supplied in a predetermined mixing ratio.
- Pour part B into Part A. Ensure that the Part B drains completely from its container.
- Mixing of the components is to be carried out with a suitable mixture at approx 150-200 rpm.
- Ensure that the two components are evenly dispersed; stir until mix is homogenous mix.
- Apply this mixture by roller or brush. It requires two or more coats as per surface requirement.
- Finish the mixture within 25 to 30 min.
- Make sure that a continuous pore free coat covers the surface.

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CLEAN UP:-

Remove as much product from application equipment as possible before washing with solvent. Do not empty into drains or watercourses

PACKING SIZE:-

VCOBOND ARC-5800 PART A – 1lit & 10 lit.
VCOBOND ARC-5800 PART B – 0.5lit & 5 lit.

COVERAGE:-

Covers approximately 3-3.5 square meter per liter depending up on type of application & porosity of the surface to be treated.

STORAGE & SHELF LIFE:-

6 months if sealed packing and if stored in cool dry place in shaded area.

PRECAUTION: -

Prevent contact of solution with the eyes and mouth. Gloves and rubber gloves must be worn when handling. Liquid splashed on the skin must be rinsed off quickly. If the solution is splashed into the eyes, wash it away with liberal quantity of water and obtain immediate medical attention. Use of mask & safety goggles is must. Clean up any spills, painting tools and equipment with solvent.

LEGAL NOTES:-

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