

Lambert® Aquapoxy

Water Based Epoxy Resin Protective Coating

Description Lambert Aquapoxy is a two-pack emulsion like high-performance water based epoxy resin coating, which can be applied to most substrates. This coating has excellent adhesion to concrete, metal and wood with good abrasion and chemical resistance. It cures to form a durable matt finish coating.

Uses Lambert Aquapoxy is used as a hard wearing protective coating for all building surface including concrete, brick, masonry, floor, dry lining and asbestos. It has all-round use in the construction industry, and can be applied to floors, walls and ceilings. Lambert Aquapoxy once cured is dustproof, water tight, easily cleaned and resistant against penetration of chemicals and oils.

Advantages

- ❖ Easy to clean surface and low maintenance costs
- ❖ Can be used in potable water tank
- ❖ Protection of floors, wall and ceiling against chemicals attack
- ❖ Water based epoxy resin, easy to apply just like conventional interior decorative paints. Once cured, its epoxy resin strength ensures high performance
- ❖ Low odour and non-tainting ideal for all applications, but particularly for the Food, Beverage and Pharmaceutical industries
- ❖ Warehouses, industrial floors and light vehicle traffic areas
- ❖ Being water based it contains no organic solvent
- ❖ Minimum skin irritation

Chemical Resistance Lambert Aquapoxy is resistant to a wide range of chemicals. Specific data is available on request.

Colours Lambert Aquapoxy is available in Green, Red, Black, Grey and White. Other colours are available on requested.

Properties

Solid content (%)	Over 55%
Pot life	40minutes /25°C
Tack free	3 hrs / 25°C
Full cure	7 days /25°C
Interval of application	2~3hrs / 25°C
Application	Roller or brush
Installation Temperature	Recommended application temperatur15°C~35°C

Instructions for use

Surface Preparation – Concrete

It is essential that the substrate surfaces are correctly prepared prior to application. New concrete or cementitious substrates should have been placed for at least 28 days before applying the Lambert Aquapoxy system. All substrates should be sound and free from contamination with oil, grease and other matter. Any oil or grease contamination must be removed completely by grinding, scabbling or shot blasting the contaminated areas to provide a clean substrate. It may be possible to prepare lightly contaminated areas by treatment with degreaser (please refer to the Technical Service Department). Excessive laitance should be removed by vacuum blasting, grinding or light scabbling. A two-pack water based epoxy primer P401 should be used prior to the application of Lambert Aquapoxy. Old concrete floors should be prepared by one of the mechanical methods mentioned above. Ensure that all concrete substrates are free from rising damp.

Surface Preparation – Steel

When applying to steelwork the surface should be cleaned to a bright metal finish by either grinding or shotblasting to S.A.2.5. A two-pack epoxy zinc primer should then be used prior to the application of the Lambert Aquapoxy.

Surface preparation – Wood

Timber surfaces should be sanded to a clean base and be free from dust, oil or grease prior to the application of Lambert Aquapoxy.

Coverage

0.3kg/ m² /150µm per coat, 2~3 coats
(coverage is dependent on surface texture and porosity)

Mixing**Mixing and Application**

Lambert Aquapoxy is a two component system, supplied in units ready to mix. The resin and hardener should be thoroughly stirred before use. Mix one can of component A with one can of component B thoroughly until an even colour is achieved. When thoroughly mixed (after approximately 2~3 minutes), the materials should be coated immediately using a suitable brush or roller. Lambert Aquapoxy has a usable life of 1-2 hours after mixing, depending on temperature. The subsequent coats can be applied within 24 hours.

Temperature

Lambert Aquapoxy should not be applied at temperature below 10°C and above 40°C. A combination of low temperature and high humidity can affect the application and curing of this product.

Package

10 kg or 12.5 kg per set

Storage

Shelf life at least 12 months if stored in original containers between 10°C and 25°C.

Precautions

Lambert Aquapoxy is a non-flammable product which has a very low odour. It should not be allowed to come into contact with skin and eyes or be swallowed. Epoxy resins and hardeners may act as skin sensitizers to some people. Gloves, goggles and barrier creams such as anti-solvent or anti paint should therefore be used. Ensure adequate ventilation if working in enclosed areas. Skin contamination with any of the product components should be removed immediately with soap and water. In the event that mixed Lambert Aquapoxy comes into contact with the skin, it must be removed before it hardens with a good quality resin removing cream, followed by washing with soap and water. Do not use solvent. If accidental eye contamination occurs irrigate with copious quantities of clean water and seek medical advice. If ingestion of any of the materials takes place, seek medical attention immediately. Do not induce vomiting.

Disposal

All tools and equipment should be cleaned with water immediately after use. Spillage should be absorbed with sand or sawdust and disposed of in accordance with statutory regulations.

Notes

The information, and, in particular, the recommendations relating to the application and end use of Lambert products, are given in good faith based on Lambert's knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respects of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Lambert Chemicals
www.lambertchemicals.com
info@lambertchemicals.com

Distributor:

AGENCIA COMERCIAL KIN CHEUNG
AVN. GOV. J. S. MARQUES NO. 253
R/C "AI" KIN HENG LONG PLAZA,
MACAU
T : (853) 28424080
F : (853) 28424081
E : info@kincheung.com