TECHNICAL BULLETIN – TB267

CHEMICAL RESISTANCE OF ARDEX WPM 822, WPM 823 AND WPM 813

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INTRODUCTION & SCOPE

ARDEX supplies a range of urethanes that can be used in systems to create a waterproof and trafficable coating. This bulletin specifically deals with the chemical resistance of three of these products, namely the ARDEX WPM 822, WPM 823 and WPM 813.

DEFINITIONS

ARDEX WPM 822 is a two part, UV stable topcoat suitable for pedestrian traffic. It is used in conjunction with ARDEX WPM 812 which is a waterproof membrane.

ARDEX WPM 823 is a two part, UV stable topcoat suitable for vehicular traffic. It is used in conjunction with the ARDEX WPM 813 waterproof membrane.

ARDEX WPM 813 is a two part, tough and durable waterproof membrane.

On the next page there is a guide to chemical resistance of the above three products. Please note that it is a guide only and should not be used for specification purposes by itself. Many factors such as the time before it is in full service, the service temperature and the degree of traffic may impact a recommendation. The chemicals in the table are in concentrated form unless otherwise stipulated. A service temperature of 23^{o}C is assumed for this data. When considering a certain application please contact ARDEX Technical Services.

The following terms are used in the table on the next page;

Fully Resistant	➔	Recommended for continuous exposure
Resistant	➔	General maintenance/housekeeping is required
Short term resistant	➔	Spill needs to be cleaned up in 2-4 hours
Not Resistant	➔	Not recommended to be exposed to this chemical

Liquid	Classification
Ammonia (10%)	Resistant
Ammonium Carbonate	Not Resistant
Ammonium Chloride	Fully Resistant
Brake Fluid ATE	Short-term Resistant
Calcium Chloride (40%)	Fully Resistant
Chlorine	Resistant
Cutting Oil	Short-term Resistant
Diesel Oil	Fully Resistant
Ethanol	Short-term Resistant
Ethyl Alcohol 100%	Short-term Resistant
Ethyl ether	Short-term Resistant
Glycerine	Resistant
Hydraulic Oil SAE90	Short-term Resistant
Hydrochloric Acid	Resistant
Jet Fuel	Resistant
Kerosene	Resistant
Magnesium Chloride (30%)	Fully Resistant
Methanol (<5%)	Short-term Resistant
Olive Oil	Resistant
Paraffin	Resistant
Petroleum	Fully Resistant
Petroleum ether	Resistant
Phosphoric acid (50%)	Not Resistant
Potash lye (10%)	Resistant
Potassium nitrate	Fully Resistant
Sea water	Resistant
Sodium chloride (10%)	Fully Resistant
Sulphuric acid (30%)	Short term resistant

IMPORTANT

This Technical Bulletin provides guideline information only and is not intended to be interpreted as a general specification for the application/installation of the products described. Since each project potentially differs in exposure/condition specific recommendations may vary from the information contained herein. For recommendations for specific applications/installations contact your nearest ARDEX Australia or ARDEX New Zealand Office.

DISCLAIMER

The information presented in this Technical Bulletin is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of a product for a particular application. Users are asked to check that the literature in their possession is the latest issue.

REASON FOR REVISION – ISSUER

NEW BULLETIN

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