

Chemical Resistance

Acrylicon reactive resin at room temperature (23°C)

(Sheet 1 of 2)



Acrylicon International Ltd
11-12 Brook Road
Bicton Industrial Park
Kimbolton
Cams PE28 0LR
United Kingdom
Tel: +44 (0) 1480 861034
Fax: +44 (0) 1480 861703

Technical Information

<u>Chemicals</u>	<u>Evaluation</u>	<u>Chemicals</u>	<u>Evaluation</u>	<u>Chemicals</u>	<u>Evaluation</u>
Alkalis:		Acids (cont):		Solvents (cont):	
Aluminium hydroxide	+	Lactic acid 5%	+	Ethyl alcohol	-
Amine	o	Lactic acids 10%	+	Ethyl alcohol 10%	o
Ammonium hydroxide 10%	+	Nitric acid 10%	+	Ethylene perchlorate	o
Ammonium hydroxide 20%	o	Nitric acid 30%	o	Gasoline regular	+
Ammonium hydroxide alcoholic	o	Nitric acid conc.	-	Gasoline super	o
Potassium hydroxide 10%	+	Oxalic acid 10%	+	Glycerol	o
Potassium hydroxide 30%	+	Phosphoric acid 10%	+	Heptane	o
Potassium hydroxide 50%	+	Phosphoric acid 20%	+	Hexane	+
Slaked lime	+	Phosphoric acid 40%	+	Isopropyl alcohol	-
Sodium hydroxide 10%	+	Phosphoric acid conc.	o	Kerosene	+
Sodium hydroxide 30%	+	Sulphuric acid 10%	+	Ketones	-
		Sulphuric acid 30%	+	Methanol	-
		Sulphuric acid 50%	o	Methylene chloride	-
		Sulphuric acid 80%	-	Monochorobenzene	o
Acids:				n-Propylacohol	-
Acetic acid 10%	+	Certain acids may lead to discolouration without attacking the material		n-Propylacetate	-
Acetic acid 25%	+			Petroleum	+
Acetic acid 30%	o	Solvents:		Phenol	o
Acetic acids 80%	-	Aromatic hydrocarbons	-	Styrene	o
Boric acids 3%	+	Benzene	-	Toluene	-
Chromic acid 10%	+	Butyl acetate	-	Trichlorethylene	-
Chromic acid 20 %	+	Butyl alcohol	-	White spirit	+
Chromic acid 40%	o	Carbon tetrachloride	-	Xylene	-
Citric acid 10%	+	Chloroform	-		
Citric acid 30%	+	Cyclohexane	+		
Fatty acid	o	Dibutylphthalate	o		
Formic acid 10%	o	Diesel oil	+		
Formic acid 40%	-	Diocetylphthalate	o		
Hydrochloric acid 10%	+	Ethyl acetate	-		
Hydrochloric acid 30%	+				
Hydrochloric acid conc.	+				

<u>Evaluation</u>	
+	Good resistance after months of contact
o	Fair resistance after 4 hours of contact
-	Poor resistance after less than 4 hours of contact

Chemical Resistance

Acrylicon reactive resin at room temperature (23 °C)

(Sheet 2 of 2)



Industrial Flooring

Acrylicon International Ltd
11-12 Brook Road
Bicton Industrial Park
Kimbolton
Cambs PE28 0LR
United Kingdom
Tel: +44 (0) 1480 861034
Fax: +44 (0) 1480 861703

Technical Information

<u>Chemicals</u>	<u>Evaluation</u>	<u>Chemicals</u>	<u>Evaluation</u>	<u>Chemicals</u>	<u>Evaluation</u>
Water and water Solutions:		Natural and manufactured beverages:		Cleaning agents:	
Antifreeze (contains glycol)	+	Beer	+	Ammonia solution	+
Chlorine water	+	Grape juice	+	Gasoline	+
Formaldehyde 37%	+	Milk	+	Household bleach	+
Hydrogen peroxide 3%	+	Vegetable juice	+	Petroleum	+
Hydrogen peroxide 10%	+	Whisky	○	Soaps	+
Hydrogen peroxide 30%	+	Wine	+	Soapy water	+
Hydrogen peroxide 80%	○			Soda water	+
Sea water	+			Spot remover	-
Sewage	+	Oils and fats:		Turpentine	+
Silicon solution	+	Animal fats	+	Turpentine substitute	○
Soap solution	+	Blood	+		
Sodium carbonate	+	Castor	+		
Sodium chloride 5%	+	Crude oil	+		
Sodium chloride conc.	+	Hydraulic fluids e.g Skydrol B500	○		
Sodium hypochlorite 15%	+	Lard	+		
Tap water	+	Linseed oil	+		
Water deionised	+	Mineral oil	+		
Water 90°C	○	Olive oil	+		

<u>Evaluation</u>	
+	good resistance after months of contact.
○	fair resistance after 4 hours of contact.
-	poor resistance after less than 4 hours of contact.

Please note that our know-how concerning our products is based on intensive research and many years of experience. We consider it to be our special duty to pass on all our results, both orally and in writing to our customers. We reserve the right to make technical alterations during the course of further development. We will help you at all times in solving your problems: Our "Technical Application Services Department" is available for this purpose. However this does not release the user from the obligation of checking our data and recommendations himself for the suitability for his own particular application. The same applies also to the safeguarding of the patent rights of third parties and to the use of applications and processes which are not indicated expressly by us in writing. If there is a case of liability for damages, our obligation is limited to compensation of an equivalent amount. In all other cases our "General Sales and Delivery Conditions" shall apply.