

29 April 2008

LABORATORY TEST REPORT

**Subject: Rapidflex Chemical Resistance**

**Sample preparation:**

Sample was prepared according to PAZKAR instruction for use.

Description	Property
Appearance:	Emulsion: Dark brown Membrane: black
Specific gravity	1
Solid content	60 ±2 %
Dry film thickness	2.5-4.0 mm

Samples of Rapidflex immersed into vessels which contain the tested chemicals.

The Rapidflex stability was tested after immersing 1 month in the tested chemicals at 25°C and after 7 days at 60°C.

**Test results:**

Tested Chemical	Resistance @	
	25°C	60°C
Acetic acid 10%	R	R
Acetic acid 100%	UR	UR
Acetone	UR	NA
Ammonia, aqueous 25%	R	NA
Diesel fuel	UR	UR
Ethanol	R	NA
Glycerin	R	R
Propylene glycol	R	R
Hydrochloric acid 10%	R	R
Phosphoric acid 10%	R	R

R= Resist

UR= Unsatisfactory Resistance

NA= Not Applicable

**Conclusion:**

Rapidflex is chemically stable in contact with inorganic solutions such as 25% Ammonia; 10% hydrochloric and Phosphoric acid.

Rapidflex is chemically stable in contact with hydroxylated organic solutions or solvents such as 10% Acetic acid; Ethanol; Glycerin and Propylene glycol.

Rapidflex is chemically instable in contact with strong Organic solvents such as Acetone; Diesel fule and 100% Acetic acid.

Dr. Nitsa Galili  
Head of chemistry & Technology  
Pazkar Ltd.

