

# ViterPaq EP Drum Stoving Lacquer

## Tables of Resistance Tests

The attached tables indicate the resistance to a range of chemicals for ViterPaq EP.

The data has been compiled from laboratory tests (conducted at room temperature and 40°C), package trials and from drum coatings in everyday use. The maximum chemical resistance of these lacquers will be achieved only if the correct procedure for surface preparation, application and cure are adhered to. This information is given in the Product Information Sheet.

It is the responsibility of the user to be satisfied that the lacquer lined drum or container is suitable for the proposed cargo.

Please note that the term 'Test successful – discontinued' means that the tests were carried out for 9 or 12 months with all results satisfactory. The test was then discontinued.

### VITERPAQ EP - RESISTANCE TESTING

Product Under Test	Successful Test Resistance Time (months)	Comments
Acetal	6	9 months slight cracking
Acetic Acid (3%)/Sodium Chloride (5%) – Pickle solution	12	Test successful - discontinued
Acetic Acid (10%)	12	Slight cracking
Acetic Acid (50%)	6	9 months blistered
Acetone	12	Slight softening
Acetone Cyanohydrin	9	Test successful - discontinued
Acid Activator	12	Test successful - discontinued
Acid Activator	4	5 months blistered
Acid Butyl Phosphate	12	Test successful - discontinued
Acrylic Acid	9	Test successful - discontinued
Acrylic Emulsion AC55	12	Test successful - discontinued
Amyl Acetate	12	Test successful - discontinued
O-Anisidine	5	6 months slight softening
Armeen DMCD	12	Test successful - discontinued
Armosol H	12	Test successful - discontinued
Astol H	12	Slight discolouration
Benzene	12	Test successful - discontinued
Benzene Sulphonyl Chloride	6	9 months film lifted
Benzoyl Chloride	12	Test successful - discontinued
Breon Latex V6480	12	Test successful - discontinued
Brine (10%)	12	Test successful - discontinued
Butakon Latices ML501	6	Samples gelled
Butakon Latices ML590	9	Samples gelled
Butakon Latices SL101	9	Samples gelled
150 Butanol	12	Test successful - discontinued
Butyl Acetate	12	Test successful - discontinued
Iso-Butyl Methacrylate	12	Test successful - discontinued
n-Butyl Methacrylate	12	Test successful - discontinued
Calamine Cream	12	Test successful - discontinued
Calaroc MB	12	Test successful - discontinued
Calatac UB	12	Test successful - discontinued
Gasoline Oil HS	12	Test successful - discontinued
Caprylic Acid	12	Test successful - discontinued
Carbon tetrachloride	12	Test successful - discontinued

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Product Under Test	Successful Test Resistance Time (months)	Comments
Carboxylic Acid (C7-C20 branched)	12	Test successful - discontinued
Carbowax PEG350	12	Test successful - discontinued
Carbowax PEG550	12	Test successful - discontinued
Cereclor (all grades)	12	Test successful - discontinued
Chloroform	12	Test successful - discontinued
Choline Chloride	12	Test successful - discontinued
Cirrasol ACN	12	Test successful - discontinued
Cirrasolxl	12	Test successful - discontinued
Citric Acid (25% & 50%)	12	Test successful - discontinued
Citroflex	12	Test successful - discontinued
Coconut oil fatty acid	12	Test successful - discontinued
Corvis P65/54	12	Test successful - discontinued
Cresylic Acid	12	Test successful - discontinued
Daltogen 50	12	Test successful - discontinued
Iso-Decanoic Acid	12	Test successful - discontinued
Deoxidine	12	Test successful - discontinued
Dettol	12	Test successful - discontinued
Diallyl Phthalate	12	Test successful - discontinued
Dibutyl Fumarate	12	Test successful - discontinued
o-Dichloro benzene	6	Test successful - discontinued
Diethanolamine	12	Test successful - discontinued
Diethyl Carbonate	12	Test successful - discontinued
Diethyl Phthalate	12	Test successful - discontinued
Diethylene Glycol	12	Test successful - discontinued
Dimethyl Ethanolamine	12	Test successful - discontinued
Dimethyl Fumarate	12	Test successful - discontinued
Diphenyl Oxide	12	Test successful - discontinued
Dipropylene Glycol	12	Test successful - discontinued
Dispersion 190	12	Test successful - discontinued
Empicol SLE2	12	Test successful - discontinued
Empicol TA	12	Test successful - discontinued
Ethanolamine	5	6 months blisters
Ethyl Acetate	12	Test successful - discontinued
Ethylene Dibromide	12	Test successful - discontinued
Ethylene Glycol	12	Test successful - discontinued
2-ethyl Hexyl Methacrylate	12	Test successful - discontinued
2-Ethoxy Ethyl Methacrylate	12	Test successful - discontinued
Fertiliser (liquid chrysanthamum)	12	Test successful - discontinued
Formalin	9	Test successful - discontinued
Formic Acid (25%)	12	Test successful - discontinued
Furfural	12	Test successful - discontinued
Gluconic Acid	12	Test successful - discontinued
Gramoxone	12	Test successful - discontinued
Hydrazine Hydrate (64% solid)	12	Test successful - discontinued
Hydrochloric Acid (1%)	12	Test successful - discontinued
Hydrochloric Acid (25%)	3	4 months blistered
Hydroxy Ethyl Methacrylate	12	Test successful - discontinued
Kephos 253	12	Slight surface defect
Kilsan	12	Test successful - discontinued
Lactic Acid (80%)	12	Test successful - discontinued
Lauryl Methacrylate	12	Test successful - discontinued

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Product Under Test	Successful Test Resistance Time (months)	Comments
Lissapol D	12	Test successful - discontinued
Lissapol NX	12	Test successful - discontinued
Lubrol MOA	12	Test successful - discontinued
Metaldehyde	12	Test successful - discontinued
Methacrylate Acid	6	Test successful - discontinued
Methanol	12	Test successful - discontinued
Methanol/water 1/1	12	Test successful - discontinued
Methyl iso-butyl Ketone	12	Test successful - discontinued
Methyl Cellosolve	12	Test successful - discontinued
Methyl Ethyl Ketone	12	Test successful - discontinued
Methyl Nadic anhydride	12	Test successful - discontinued
Methylated Spirits	12	Test successful - discontinued
Methylene Chloride	12	Test successful - discontinued
Morpholine salt of P-toluene Sulphonic Acid	12	Test successful - discontinued
Nansa 100 Liquid	6	Sample solidified
Nansa 55 Paste	12	Test successful - discontinued
Neoprene Latex	12	Test successful - discontinued
Nitrocellulose - Butanol damped	12	Test successful - discontinued
Nitrocellulose - IPS damped	12	Test successful - discontinued
2-Nitrotoluene	12	Test successful - discontinued
Nonyl Phenol 10 ethoxylate	12	Test successful - discontinued
Nonyl Phenol 14 Ethoxylate	12	Test successful - discontinued
Iso-Octanoic Acid	12	Test successful - discontinued
Octyl Phenol 10 Ethoxylate	12	Test successful - discontinued
Octyl Phenol 14 Ethoxylate	12	Test successful - discontinued
Oleic Acid	12	Test successful - discontinued
Paraplex G41	12	Test successful - discontinued
Paraplex G60	12	Test successful - discontinued
Perlargononic Acid	12	Test successful - discontinued
Petrol	12	Test successful - discontinued
Perchloroethylene	12	Test successful - discontinued
Phosphoric Acid	12	Test successful - discontinued
Poly-EM (Spencer) pH 7.9	12	Test successful - discontinued
Poly-EM (Spencer) pH 10.45	12	Test successful - discontinued
Potassium Silicate	12	Test successful - discontinued
Propionic Acid	12	Test successful - discontinued
Iso-propyl Acetate	12	Test successful - discontinued
Iso-propyl Alcohol	12	Test successful - discontinued
Iso-propyl Nitrate	12	Test successful - discontinued
Propylene Dichloride	12	Test successful - discontinued
Propylene Glycol	12	Test successful - discontinued
Racasan	12	Test successful - discontinued
Shell DD Soil Fumigant	12	5 months film lifted
Fluids and Surfactants (range of products)	12	Test successful - discontinued
Resins (range of products)	12	Test successful - discontinued
Elastomers (range of products)	12	Test successful - discontinued
Grease (range of products)	12	Test successful - discontinued
Silocel (range of products)	12	Test successful - discontinued
Silcodyne H (range of products)	12	Test successful - discontinued

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Product Under Test	Successful Test Resistance Time (months)	Comments
Silcolapse Antifoams (range of products)	12	Test successful - discontinued
Silcolase (range of products)	12	Test successful - discontinued
Silcoloid (range of products)	12	Test successful - discontinued
Silcoset (range of products)	12	Test successful - discontinued
Catalyst of Silicones (range of products)	12	Test successful - discontinued
Sistan	12	Test successful - discontinued
Sodium Chlorate	12	Test successful - discontinued
Sodium Hydroxide Pellets	12	Test successful - discontinued
Sodium Hydroxide solution 5%	12	Test successful - discontinued
Sodium Hydroxide solution 25%	12	Test successful - discontinued
Sodium Peroxide	12	Test successful - discontinued
Sodium Silicate	12	Test successful - discontinued
Soya Bean Oil	12	Test successful - discontinued
Stergene	12	Test successful - discontinued
Sulphuric Acid 10%	12	Test successful - discontinued
Sulphuric Acid 25%	12	Test successful - discontinued
Teepol	12	Test successful - discontinued
Tensol Cement	3	4 months slightly soft
Tetralon A (EDTA solution)	6	Sample solid
Thermex	12	Test successful - discontinued
Toluol	12	Test successful - discontinued
Topane	3	Test successful - discontinued
Topanol OL	3	Test successful - discontinued
Trichloroethylene	12	Test successful - discontinued
Triethanolamine	12	Test successful - discontinued
Triethylene Glycol	12	Test successful - discontinued
Trpropylene Glycol	12	Test successful - discontinued
Trilene	12	Test successful - discontinued
Vandike 4010	12	Test successful - discontinued
Vinacryl 400	12	Test successful - discontinued
Vinyl Acetate Monomer	12	Test successful - discontinued
Vulcafor VHM	12	Test successful - discontinued
Water - distilled	12	Test successful - discontinued
Water – tap - Slough	12	Test successful - discontinued
Waxol HE	12	Test successful - discontinued
Waxol PA	12	Test successful - discontinued
Weedazol TL	12	Test successful - discontinued
Zerox	12	Test successful - discontinued

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