

# Specialist Geomembranes

## Chemical Resistance

Landflex EP75, EP100, EP150WA, REP125

A = Recommended

B = Some minor to moderate effect



All properties are at room temperature.

Performance at elevated temperatures may be significantly different for some chemicals.

| Chemical                |   | Chemical             |   | Chemical                   |   |
|-------------------------|---|----------------------|---|----------------------------|---|
| Acetaldehyde            | B | Acetic Acid 10-25%   | A | Acetic Acid 25-100%        | B |
| Acetic Anhydride        | A | Acetic Acid Glacial  | B | Acetylacetone              | B |
| Acetone                 | A | Acetonitrile         | A | Acrylic Acid               | A |
| Acrylonitrile           | B | Acrolein             | B | Adipinic Acid              | A |
| Aluminium Acetate       | A | Aluminium Chlorate   | A | Aluminium Chloride         | A |
| Aluminium Fluoride      | A | Aluminium Hydroxide  | A | Aluminium Nitrate          | A |
| Aluminium Oxide Hydrate | A | Aluminium Phosphate  | A | Aluminium Sulphate         | A |
| Ammonia Anhydrous       | A | Ammonium Carbonate   | A | Ammonium Chloride          | A |
| Ammonium Fluoride       | A | Ammonium Hydroxide   | A | Ammonium Nitrate           | A |
| Ammonium Othophosphate  | A | Ammonium Oxalate     | A | Ammonium Sulfate           | A |
| Ammonium Thiocyanate    | A | Amylacetate          | A | Amyl alcohol               | A |
| Aniline                 | A | Animal Oil           | A | Antimony Chloride          | A |
| Antimony Pentasulphide  | A | Antimony Trisulphide | A | Argon                      | A |
| Arsenic Acid            | A | Arsenic Tri-Oxide    | A | Arsenic Tri-Sulfide        | A |
| Barium Chloride         | A | Barium Hydroxide     | A | Barium Oxide               | A |
| Barium Peroxide         | A | Barium Sulfate       | A | Barium Sulfide             | A |
| Beer                    | A | Benzaldehyde         | A | Benzene Sulfonic Acid <10% | A |
| Benzoic Acid            | A | Benzylalcohol        | B | Benzyl Benzoate            | A |
| Bismuth Carbonate       | A | Bisulphate Solution  | A | Bitumen                    | A |
| Borax Solution          | A | Boric Acid           | A | Bromic Acid                | A |
| Butanol                 | A | Butanon M.E.K        | A | Buttermilk                 | B |
| Butylacetate            | B | Butylalcohol         | A | Butylaldehyde              | B |
| Butylbenzoat            | A | Butylglycol          | A | Butyric Acid               | B |
| Butyraldehyde           | B |                      |   |                            |   |
| Cadmium                 | A | Cadmium Sulfate      | A | Calcium Carbonate          | A |
| Calcium Chloride        | A | Calcium Cyanide      | A | Calcium Hydroxide          | A |
| Calcium Sulfate         | A | Calcium Sulfide      | A | Calcium Bisulfide          | A |
| Calcium oxide           | A | Capronic Acid        | A | Caprolactam 20-100%        | A |
| Carbamide               | A | Carbitol             | A | Carbolic Oil               | B |



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## Butek Landline

Containment Solutions

Chem.Res. 2 Rev.B

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| Chemical                     |   | Chemical               |   | Chemical                 |   |
|------------------------------|---|------------------------|---|--------------------------|---|
| Carbon Dioxide               | A | Carbon Monoxide        | A | Castor Oil               | B |
| Cellulose Acetate            | A | Cement                 | A | Chlorine (Dry)           | A |
| Chlorine (Wet)               | B | Chlorine Dioxide       | A | Chloroacetic Acid        | A |
| Chromium Sulfate             | A | Chromium Tri-Oxide     | A | Citric Acid              | A |
| Copper Chloride              | A | Copper Cyanide         | A | Copper Hydroxide         | A |
| Copper Nitrate               | A | Copper Sulfate         | A | Cottonseed Oil 20°C      | A |
| Cottonseed Oil 100°C         | B | Cream Butter           | A | Cresol                   | B |
| Cyanic Acid                  | A |                        |   |                          |   |
| Dextrose                     | A | Diacetone Alcohol      | A | Dibenzylether            | A |
| Dibutylphthalate             | A | Dichloromethane        | B | Diethanolamine           | A |
| Diethylene Glycol            | A | Diethylketon           | A | Diethysebacate           | B |
| Dimethylaniline              | A | Dimethylformamide      | B | Di-n-butylsebacate       | A |
| Diocetylphthalate            | B | Dioxane                | A | Dipropylene Glycol       | A |
| Epichlorohydrin              | B | Ethanolamine           | A | Ethylacetate             | A |
| Ethyacrylate                 | A | Ethylalcohol           | A | Ethylchloride            | B |
| Ethylene Diamine             | B | Ethylene Glycol        | A | Ethylene Glycoldiacetate | A |
| Ethyl Hexanol                | A | Ethylene Oxide         | A |                          |   |
| Fatty Acids                  | B | Fatty Alcohols         | A | Ferric Chloride          | A |
| Fluoboric Acid 65%           | A | Fluosilicic Acid <50%  | A | Formaldehyde             | A |
| Formaline                    | A | Formic Acid <50%       | A | Furufrol                 | A |
| Gallic Acid                  | B | Gelatin                | A | Glucose                  | A |
| Glutamic Acid                | A | Glycerol (Glycerin)    | A | Glycergol Monostearate   | B |
| Glycol                       | A |                        |   |                          |   |
| Helium                       | A | Hexaldehyde            | B | Hexanol                  | B |
| Hexylamine                   | B | Hydrazine              | A | Hydrazine Hydrate        | A |
| Hydrobromic Acid             | A | Hydrochloric Acid      | A | Hydrocyanic Acid         | A |
| Hydrogen                     | A | Hydrogen Peroxide <30% | A | Hydrogen Peroxide >30%   | B |
| Hyfrogen Sulfide (Wet & Dry) | A |                        |   |                          |   |
| Iodine                       | B | Iron Chloride          | A | Iron Sulfate             | A |



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|---------------------------|---|----------------------|---|------------------------------|---|
| Iso Butyl Methylketon     | A | Isopropyl Acetate    | A | Isopropyl Alcohol            | A |
| Lactic Acid (Mild Acid)   | A | Lanolin              | B | Lauryl Alcohol               | B |
| Lead Acetate              | A | Lead Arsenate        | A | Lead Sulfate                 | A |
| Linseed Oil               | B |                      |   |                              |   |
| Magnesium Chloride        | A | Magnesium Hydroxide  | A | Magnesium Silicate           | A |
| Magnesium Silico Fluoride | A | Magnesium Sulfate    | A | Magnesium Sulfite            | A |
| Maleic Acid               | A | Mercury              | A | Mercury Chloride             | A |
| Mercury Nitrate           | A | Methaldehyde         | A | Methanol                     | A |
| Methylacetate             | A | Methylalcohol        | A | Methylene Chloride           | B |
| Methyl Ethyl Keton        | A | Methyl Glycol        | A | Methyl Glycol Acetate        | A |
| Methyl Isobutylketon      | B | Molasses             | A | Mono Ethanol Amine           | A |
| Nickel Sulphate           | A | Nitric Acid <10%     | B | Nitrobenzene                 | B |
| Nitrogen                  | A | Nitrogenoxide        | A | Nitropropane                 | A |
| Octanol                   | B | Oleic Acid           | B | Olive Oil                    | B |
| Oxalic Acid               | A | Oxygen               | A | Ozone                        | A |
| Palmitic Acid             | B | Palm Oil             | B | Paraffin Oil & Wax           | B |
| Perchloric Acid           | B | Perhydrol            | A | Phosphoric Acid              | A |
| Phosphorous Oxychloride   | A | Phthalic Acid        | A | Phthalic Acid Anhydride      | A |
| Picric Acid               | B | Potassium Acetate    | A | Potassium Aluminium Sulphate | A |
| Potassium Borate          | A | Potassium Bromide    | A | Potassium Carbonate          | A |
| Potassium Chlorate        | A | Potassium Chloride   | A | Potassium Chromium Sulfate   | A |
| Potassium Cyanide         | A | Potassium Dichromate | A | Potassium Hydroxide          | A |
| Potassium Hypochlorite    | A | Potassium Iodide     | A | Potassium Nitrate            | A |
| Potassium Phosphate       | A | Potassium Sulfate    | A | Potassium Sulfite            | A |
| Propanol                  | A | Propyl Acetate       | A | Propylene Glycol             | A |
| Propylene Oxide           | A | Pyridine             | B |                              |   |
| Rapeseed Oil              | A |                      |   |                              |   |
| Salad Oil                 | A | Salicylic Acid       | A | Seawater                     | A |
| Silicic Acid              | A | Silicone Oil         | A | Skydrol                      | A |



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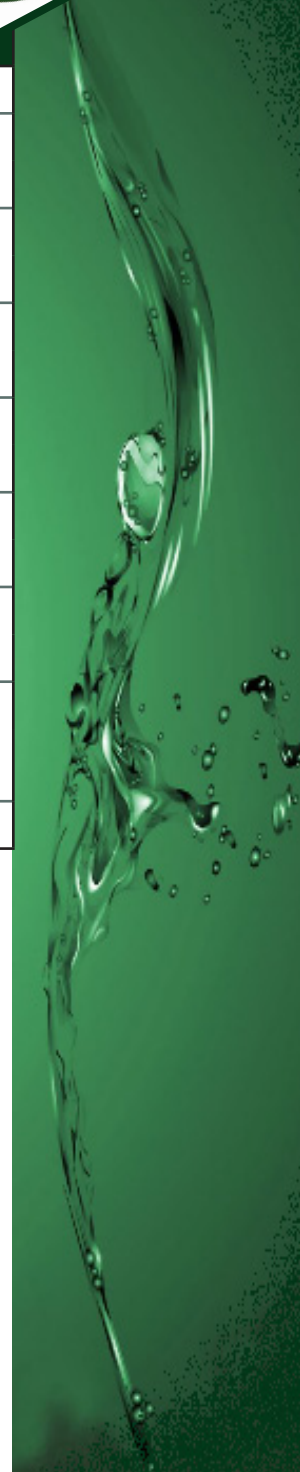
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| Chemical                     |   | Chemical                |   | Chemical                   |   |
|------------------------------|---|-------------------------|---|----------------------------|---|
| Soap Solution                | A | Sodium Acetate          | A | Sodium Borate              | A |
| Sodium Bicarbonate           | A | Sodium Chlorate         | A | Sodium Chloride            | A |
| Sodium Cyanide               | A | Sodium Dichromate       | A | Sodium Fluoride            | A |
| Sodium Fluo Aluminate        | A | Sodium Hydroxide 20-75% | A | Sodium Hypochlorite 10-30% | A |
| Sodium Iron Cyanide          | A | Sodium Meta Phosphate   | A | Sodium Nitrate             | A |
| Sodium Peroxide              | A | Sodium Orthophosphate   | A | Sodium Nitrite             | A |
| Sodium Silicate              | A | Sodium Bisulfate        | A | Sodium Sulfide             | A |
| Sodium Bisulfite             | A | Sodium Thiosulphate     | A | Sorbic Acid                | A |
| Starch (Amylodextrin)        | A | Stearic Acid            | B | Sugar                      | A |
| Sulfamic Acid                | A | Sulfur 90°C             | A | Sulfur Dioxide (Wet & Dry) | A |
| Sulfuric Acid (Dilute)       | A | Sulfuric Acid (Conc.)   | B | Sulfur Trioxide            | B |
| Tannic Acid                  | A | Tartaric Acid           | B | Tributyl Phosphate         | B |
| Tricresyl Phosphate          | B | Triethanol Amine        | A | Trisodium Phosphate        | A |
| Vegetable Oil & Fats         | A | Vinyl Acetate           | A |                            |   |
| Washing Preparation (Synth.) | A | Water                   | A | Wine                       | A |
| Zinc Acetate                 | A | Zinc Chloride           | A | Zinc Sulfate               | A |



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