



Nuna Innovations Inc.



Concrete Impregnated Containment

# CHEMICAL RESISTANCE

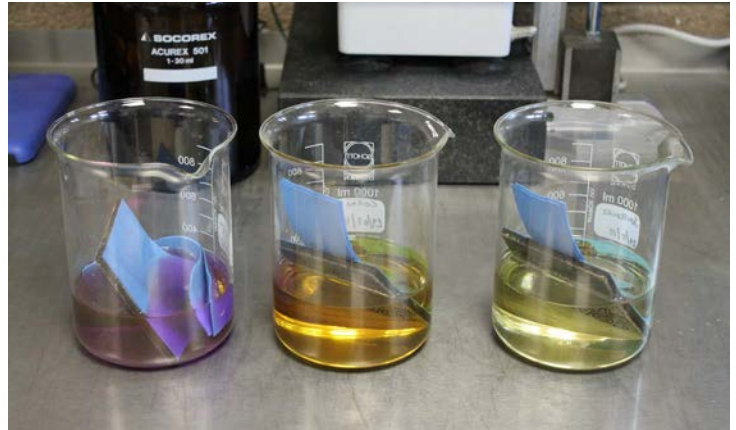
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### Chemical Resistance

CC Hydro™ GCCM (Geosynthetic Cementitious Composite Mat) products have been tested for their chemical resistance with respect to a range of common industrial contaminants. These tests were carried out alongside a selection of leading market competitors for comparison.

Testing was conducted on samples of membrane immersed for 28 days in the reagent at room temperature. Samples were visually and physically examined upon removal, and rated according to retention of their working properties after 24 hours and 28 days of exposure.

The data below are the result of laboratory tests and are only intended to serve as a guide. This is not given as a performance warranty, and users should be aware that further testing should be undertaken based on the specific requirements of the application.



### Summary of Results

|                     | CC Hydro™ | Polypropylene | HDPE  | PVC   | Bitumenous Membrane |
|---------------------|-----------|---------------|-------|-------|---------------------|
| Acid <sup>▲</sup>   | A / A     | A / A         | A / A | A / A | A / A               |
| Diesel              | B / B     | B / X         | A / A | B / X | X / X               |
| Digestate           | A / A     | A / A         | A / A | A / A | A / A               |
| Ethanol             | A / A     | A / A         | A / A | A / A | A / B               |
| FAME (Biodiesel)    | A / B     | B / X         | B / B | X / X | X / X               |
| Leachate            | A / A     | A / A         | A / A | A / A | A / A               |
| Paraffin (Kerosene) | A / B     | B / X         | B / X | B / X | X / X               |
| Petrol (Gasoline)   | A / B     | X / X         | B / B | X / X | X / X               |
| Sewage <sup>▲</sup> | A / A     | A / A         | A / A | A / A | A / A               |

24 hour / 28 day

#### Rating Key

- A – Fluid has little or no effect
- B – Fluid has minor or moderate effect
- X – Fluid has severe effect

<sup>▲</sup> 0.1M H<sub>2</sub>SO<sub>4</sub> pH1.2

<sup>▲</sup> Synthetic according to OECD 303