

AUSSIE Clay 590 – Chemical Compatibility Chart

AVM's **Aussie Clay 590** is a heavy-duty, high strength bentonite composite sheet waterproofing membrane consisting of needle punched woven and non-woven geotextile fabrics encapsulating a thick layer of active sodium bentonite between them. Sodium Bentonite expands when wet, absorbing as much as several times its dry mass, making it an excellent waterproofing membrane since it provides a self-sealing, low permeability barrier.

While the **Aussie Clay 590** can perform exceptionally well as a waterproofing membrane in most site conditions, there are some exceptions that can hinder the performance and reduce the expansion of the membrane when it becomes wet. Site conditions that have high concentrations of acids, bases, and salts can have an impact on the performance of the membrane. Please refer to the Chemical Compatibility chart listed below for a recommended guideline with **N – No Adverse Effect**, **M – Moderate Adverse Effect**, & **S – Severe Adverse Effect**.

Please note it is a requirement for site samples to be sent to the AVM lab to be tested for Aussie Guard warranty projects when **Aussie Clay 590** is considered for a project. The information and data contained herein are intended to serve only as a guide. No performance warranty is intended or implied.

Chemical Compatibility for Aussie Clay Bentonite Waterproofing Products

Chemical	Concentration			
	1%	10%	50%	100%
Aliphatics (Oils and Fuels)	N	N	N	N
Aromatic Hydrocarbons				
Benzene	N	N	N	N
Toluene	N	N	N	N
Xylene	N	N	N	M
100/150 Solvents	N	M	M	M
Carbon Disulfides	N	N	N	N
Detergents/ Cleaning Products	N	M	S	S
Fats, Greases, Biological Oils	N	N	N	N
Halogenated Hydrocarbons				
Methylene Chloride	N	N	N	N
Ketones	N	N	N	N
Chloroform	N	N	N	N
Inorganic Acids	M	M	S	S
Inorganic Bases	N	M	S	S
Inorganic Salts	M	S	S	S
Nitrobenzene	N	N	N	N
Organic Acids				
Alcohols	N	N	M	M
Aldehydes	N	N	N	M
Amines	N	N	M	M
Esters	N	N	M	M
Ethers	N	N	N	M
Water	N	N	N	N

For additional or specific questions regarding pre-hydration of the **Aussie Clay 590**, please consult your local AVM Sales Representative or the Technical Services department at: 888.414.1041 or 818.888.0050.