

## AUSSIE Swell Red – Chemical Compatibility Chart

AVM's **Aussie Swell Red** is a hydrophilic strip waterstop composed of a formulated blend of sodium bentonite and butyl rubber. Sodium Bentonite expands when wet which creates a seal in construction pour joints when consolidated in concrete making it an active waterstop. The seal resists hydrostatic pressure, stopping the passage of water through the joint. The swelling and expansion of the **Aussie Swell Red** within confinement can self-inject into localized voids and minor fissures in the concrete.

While the **Aussie Swell Red** can perform well in most site conditions, there are some exceptions that can hinder the performance and reduce the expansion of the Waterstop 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 on the following page for a recommended guideline with **N – No Adverse Effect**, **M – Moderate Adverse Effect**, & **S – Severe Adverse Effect**.

**NOTE:** The chemical resistance data below is a result of laboratory tests and is intended to serve only as a guide. No performance warranty is intended or implied. The information on the chart below is based on the Aussie Swell undergoing hydration prior to the chemical exposure. **Aussie Swell Red** is required to swell and form a positive seal. When there is uncertainty about how the groundwater contaminants could affect the **Aussie Swell Red**, it is recommended that a site water sample is sent to the AVM lab for compatibility testing. **Aussie Swell Red** is designed to function as a waterstop in concrete joints and is not intended to function as the primary seal for chemical storage vessels or tanks.

### Chemical Compatibility for Aussie Swell Red Waterstop 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 chemical compatibility of the Aussie Swell Red, please consult your local AVM Sales Representative or the Technical Services department at: 888.414.1041 or 818.888.0050.