TRADER®

100 Years of Gerard Electrical Tradition

BUFFALO CHEMICAL RESISTANT

Acid Test Proven

Our new Buffalo Chemical Resistant range is designed to meet the needs of harsh industrial environments where intensive cleaning and chemical contact would otherwise damage standard switchgear surfaces.

CALL
1300 301 838

WWW
gsme.com.au

EMAIL
service@gsme.com.au

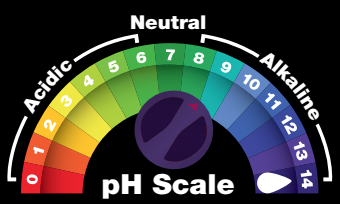
RG Resistant Grey- ALKALINE/CAUSTIC

Resists: Alkaline and caustic cleaners and foaming agents
eg. Sodium Hydroxide and Potassium Hydroxide

Typical applications: Food processing plants, fast food outlets & workshops

Alkaline/Caustic suitable RG (Resistant Grey) range is ideal in applications that are indoors or external but not exposed to UV as they are non-UV resistant. The application for these products is ideal in indoor food processing areas where caustic bulk washdown foaming agents are used in the cleaning process such as in abattoirs and meat processing including fish and poultry. They are also good performers in areas where cooking oils or fatty residue may build up on surfaces.

The TRADER RG range can be differentiated easily from others by the dark purple switch actuator on the mid-grey switch cover and matching back box enclosure.



Purple helps identify its application on the Litmus scale for Alkaline

RO – Resistant Orange – ACIDIC

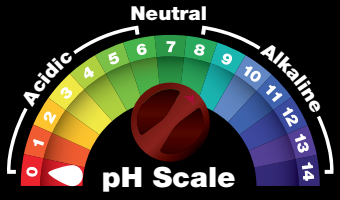
Resists: Acidic based cleaners

eg. Hydrochloric, Nitric and Sulphuric

Typical applications: : Wineries, commercial kitchens & food prep, storage tanks

Acid suitable RO (Resistant Orange) is ideal indoors as well as outside in UV areas as the materials are UV resistant. Food preparation areas and commercial kitchens where acid-based cleaners or diluted detergents are used are perfect applications. Machinery workshops where cutting oils are sprayed in the environment, automotive applications near petroleum-based chemicals or fumes, wineries, and breweries where exposure to natural citrus based acidic cleaners may occur are other applications.

The TRADER RO range can be differentiated from others in the market by the dark red switch actuator on the orange body which provides great visibility in the environment.



Red helps identify its application on the Litmus scale for Acidic

RW – Resistant White – ACIDIC

In addition to the orange range a number of models will be released in Chemically resistant white, where the more subtle aesthetic is needed such as supermarket meat and butchery areas, fish markets and delis where tiled surfaces are often used, and the bright orange option is less desirable.

Tested for long life performance

The Buffalo Chemical range has undergone lengthy testing in accordance with ISO 22088-1 and ISO 22088-3 for determination of environmental stress cracking using specially produced test pieces complying with ISO 20753 (Plastic – test specimens).

All Buffalo Chemical resistant products ARE manufactured from specific materials and during testing were placed in the environments for lengthy exposure of 12 months to determine their performance in the actual cleaning conditions.

It is extremely important when making product selection choices to understand the chemicals in use and how they will be applied.

Product Type		Enclosures (Back boxes) (PVC)		Housings for Switches, Sockets, Plugs and Appliance Inlets, as well as exposed aspects such as flaps, knobs, lock rings and latches (Polycarbonate)		
Product Colour		**Back box all Colours**		**Grey, Transparent and Orange (plugs)**	**Chemical Orange**	**Chemical Grey**
Acids						
Weak Solutions	Hydrochloric 10%	Excellent		Excellent	Excellent	Excellent
	Nitric 10%	Excellent		Excellent	Excellent	Excellent
Concentrate	Sulphuric 100%	Excellent		Not Suitable	Not Suitable	Not Suitable
Alkalis						
Weak Solutions	Sodium Hydroxide 10% (Caustic Soda)	Excellent		Not Suitable	Good	Excellent
Concentrate	Potassium Hydroxide 100%	Excellent	Good	Not Suitable	Not Suitable	Excellent
Automotive						
	Petroleum	Excellent		Not Suitable	Excellent	Not Suitable
	Lubrication Oils	Excellent		Not Suitable	Excellent	Fair
	Hydraulic Oil	Excellent		Not Suitable	Excellent	Fair
Solvents						
Aliphatic Hydrocarbons (Alkanes)	Methane	Good		Excellent	Excellent	
	Propane	Excellent		Excellent	Excellent	
Alcohols	Ethylene Glycol	Excellent		Excellent	Excellent	
	Glyerol (Glycerin)	Excellent		Fair	Good	Excellent
	Methyl Alcohol (Methanol)	Excellent		Not Suitable	Good	Not Suitable
	Ethyl Alcohol (Ethanol)	Excellent		Excellent	Excellent	Not Suitable
Amines	Aniline	Not Suitable		Not Suitable	Not Suitable	
Aromatic Hydrocarbons	Methyl Benzene	Not Suitable		Not Suitable	Good	Fair
	Xylene	Not Suitable		Not Suitable	Good	Fair
Ethers	Dimenthly Ethyl	Excellent		Excellent	Excellent	
Ketones	Acetone	Excellent		Not Suitable	Fair	Not Suitable
	Acetophenone	Not Suitable		Not Suitable	Fair	Not Suitable
	Ethly Methly Ketone	Not Suitable		Not Suitable	Fair	Not Suitable
Miscellaneous						
	Detergent	Excellent		Excellent	Excellent	
Inorganic Salts	Magensium Sulphate	Excellent		Excellent	Excellent	
Oxidising Agents						
Weak Solution	Sodium Hypochlorite 5%	Excellent		Excellent	Excellent	Excellent
Strong Solution	Hydrogen Peroxide 30%	Excellent		Excellent	Excellent	Excellent
Water						
	Ambient	Excellent		Excellent	Excellent	Excellent
	Heated>60°C	Fair		Excellent	Good	Fair
	Steam	Not Suitable		Not Suitable	Not Suitable	Not Suitable

Excellent
Recommended no adverse effects after extended exposure
Good
Acceptable with minimal mechanical property loss from extended exposure
Fair
Loss of mechanical property from extended exposure
Not Suitable
Not recommended for use due to poor performance and significant mechanical property loss

TRADER®

BUFFALO™

10 Yr Warranty TRADER