

Product	Description
UltraClean SC-AL	UltraClean SC-AL has been developed as a high efficiency, environmentally friendly, long life non etch soak cleaner for aluminium and its alloys. Removes a wide range of mineral oils and polishing compounds from aluminium and its alloys without attack on the substrate. Is ideally suited for use prior to anodising, chemical brightening or electroplating of aluminium.
UltraDox AL	UltraDox AL de-smut is a non-chromated de-smut/de-oxidiser for aluminium and its alloys. It rapidly removes smut from aluminium surfaces that have been treated in acidic brightening solutions or caustic based etches. The smuts can be of various types usually caused by impurities in inferior specification aluminium such as magnesium, silicon, or copper. It is eco-friendly in comparison to 30% v/v Nitric Acid, lasting 4 times longer with no dangerous fumigation issues.
UltraEtch EA 2000	UltraEtch EA 2000 produces a fine etch finish on aluminium substrates. It is generally used as a long life etch and can be used as a pre-treatment prior to anodising, chromate conversion coatings, vitreous enamelling or painting. UltraEtch EA 2000 incorporates a sequestering systems which prevents the conversion of sodium aluminate to insoluble aluminium oxide, thus eliminating 'rock hydrate' deposits associated with aluminium etching. 25% V/V EA 2000 concentrate in water.
UltraEtch EA 2001	UltraEtch EA 2001 is a liquid additive which is added to caustic etch baths to eliminate the precipitation of aluminium hydroxide. This product also prevents scale formation on the tank and heating coils, improves matte finishes giving a more uniform etch, eliminates the need for frequent dumping of the etch tank and significantly reduces caustic soda consumption. When added in the correct ratio to Caustic soda, UltraEtch EA 2001 will provide the same excellent finish as the ready to use UltraEtch EA 2000.
UltraLyte 170 FS	UltraLyte 170 FS (Fume Suppressant) has been developed to suppress the evolution of Nitrogen Peroxide fumes generated during the UltraLyte 170 XL brightening process. Brown fumes are significantly reduced through the addition of UltraLyte 170 FS making the process more operator and environment friendly. It will not remove Nitric Acid fumes or NOX and the UltraLyte 170 XL brightening process must still be extracted through an efficient fume scrubber.
UltraLyte 170 XL	UltraLyte 170 XL chemical brightener has been developed for use in both manual and automatic plants where a very high standard of finish is required. Holding exceptional resistance to the transfer etching which has traditionally been a problem on automatic anodising lines using an on-line brightener. Provides exceptional brightness and specular reflectivity on a wide range of aluminium alloys. Supplied ready to use, UltraLyte 170XL contains Nitric Acid and must be used in a suitably equipped, purpose built brightening tank with integral fume extraction and fume scrubber in accordance with NOX regulations.
UltraLyte 41	UltraLyte 41 is a Nitric Acid free process which gives a semi-bright finish on a wide range of aluminium alloys. The finish obtained is ideally suited to applications such as processing of stair treads and shower sections.
UltraMist ZM	UltraMist ZM fume suppressant has been developed for use in anodising solutions to reduce evolution of irritating sulphuric acid fumes to the atmosphere during anodising of aluminium. It also reduces surface tension of the anodising solution and forms a slight foam blanket. UltraMist ZM considerably reduces the attack on plant steel structures from airborne sulphuric acid fumes.
UltraSeal HS 100	Anodising Seal Additive ideal for sealing the metal substrate following anodisation. It is a hot seal product that operates between 85 and 100oC. UltraSeal HS 100 gives up to 90% sealing within the first 5 minutes of immersion. It also does not contain any heavy metals or other ingredients considered harmful to the environment.

Product		Description	
PRE-TREATMENT CLEANERS	UltraClean EC60	UltraClean EC60 has been developed as a high efficacy soak/electrocleaner for rack and barrel plating and as a pre-galvanising cleaner where high degrees of oil and grease are encountered. The product has exceptional degreasing properties and long life compared to conventional cleaners, typically lasting twice as long as most competitors' products reducing plant down time and operating costs. The powerful surfactant system used in the UltraClean EC60 helps keep barrel cylinders clean and grease free, reducing problems caused by carry over into other processes.	
	UltraClean SC10	UltraClean SC 10 is a non etch, heavy duty powder cleaner. When made up with water it provides excellent degreasing of aluminium substrates. The product has exceptionally long life and is ideally suited to the removal of polishing compounds. Dependent upon the nature of the soiling to be removed the temperature and concentration will vary. The higher temperature and concentration is recommended for baked on contaminants.	
ELECTROPLATING	ZINC	UltraZinc AZBS produces ultra-bright zinc deposits with exceptional ductility and levelling from both Potassium chloride and ammonium chloride acid zinc plating solutions. UltraZinc AZBS operates within a temperature range of 20 - 40 °C. Works as a single shot maintenance brightener with excellent bath stability.	
		UltraZinc AZC	UltraZinc AZC is a carrier additive for the UltraZinc AZBS system. Dosed to maintain the ductility of the zinc plating deposits in the brightener solution. Used as an additive to maintain solution balance.
	NICKEL	UltraMax NSA 10	UltraMax NSA 10 carrier maintains the ductility of the nickel plating deposits and acts as the primary brightener. An overdose of this component is not detrimental to the process.
		UltraMax 20	UltraMax 20 bright nickel-plating process produces fully bright, levelled nickel deposits in very short plating times. Excellent chromium reception is a major feature of this process.
		UltraMax 30	UltraMax 30 leveller maintains the high-speed levelling properties of the nickel-plating solution. If levelling needs to be improved UltraMax 30 can be added in increments of 0.5 ml/litre of plating solution. An overdose of UltraMax 30 may cause low current density dullness. This can easily be rectified by plating out at low current density.
		UltraMax WA	UltraMax WA wetter prevents pitting, aids metal distribution and maintains solution surface tension within correct parameters.
PICKLING	UltraCon Pickle Aid	Formulated specifically for use in acid pickle solutions as a degreaser allowing steel components to be degreased and pickled in one operation. It reduces surface tension of acid pickles and allows operating temperatures up to 40°C without the liberation of excessive acid fumes making the pickling process much quicker and operator friendly. Suitable for use in Hydrochloric Acid, Sulfuric Acid and Phosphoric Acid pickles.	
BLACKING SALTS	Ultra Black	UltraBlack Blackening Salts are designed to produce a black oxide coating on iron and steel surfaces which, when impregnated with oil, produces a uniform black finish. The depth of colour is dependent upon the substrate and tank process sequence. The corrosion resistance is dependent on the type of oil finish used.	