



SURCLEAN
Electronic Production Materials



TECHNICAL DATA SHEET

Surclean Blackband B128 - Highly Reactive Soft Solder Flux

PRODUCT APPLICATION

Blackband B128 is a high reactivity, Aqueous Zinc Ammonium Chloride based flux for fast, effective soft soldering of Copper and its alloys together with Mild Steel and Cast Iron. Blackband B128 will also solder dissimilar metals. It can be used in many industrial soldering applications, including production manufacturing .

CHARACTERISTICS

Highly Reactive Flux - fast and effective soft soldering of Copper and its alloys, Mild Steel, Soft and Cast Iron.

Versatile - wide variety of applications from jobbing work through to production manufacturing operations.

Works with many Solder Alloys - compatible with many Lead and Lead free soft soldering alloys.

Easily removed flux residues - post soldering flux residues are easily removed by washing away with water.

APPLICATION METHODS

Blackband B128 can be applied to the joint area by a number of methods including brush, for localized solder joints allowing precise control over where the flux is placed and where subsequent wetting occurs, spray onto an assembly for multiple joint sweating, or immersion either in part or the complete assembly. The flux cleaning action commences as soon as the heat is applied to the joint area, and the solder will form a joint as the solder alloy melt point is reached. The flux contains Zinc Chloride and other salts which are corrosive if left, so the flux residues must be removed straight after the joint has cooled. Washing with warm water will usually achieve this, but for absolute cleanliness a mild dilute acid/water wash solution of 2-5% Citric or Hydrochloric acid can also be used, followed by a final town water rinse.

PACKAGING AVAILABILITY

Surclean Blackband B128 is packaged into plastic containers. Standard pack sizes are, 1 litre screw top bottles, 5 litre and 10 litre jerricans, and 200 litre drums. Other pack sizes can be supplied subject to availability.

PHYSICAL & CHEMICAL PROPERTIES

Appearance: Liquid.
Odour: None.

Colour: Clear - colourless.
Density: 1.28 at 20 deg. C.

PH Value: 1 (Acidic)
Water solubility: 100%

HEALTH & SAFETY

Surclean Blackband B128 should be treated as a corrosive material. Take precautions to minimize risk of Splashing or spillage. Use suitable eye and skin personal protection equipment. Read the application notes in This technical data sheet, and refer to the safety data sheet for the product.