

ALPHA A83

Liquid Activated Rosin Flux

DESCRIPTION

Alpha A38 is a foam flux. It is a stable, homogenous solution of pure water-white rosin with a multi-component solvent to which has been added a controlled amount of effective activating agents. The material maintains its foaming, wetting and fluxing properties during continuous aeration.

FEATURES & BENEFITS

Alpha Flux A83 is a foam flux specially designed for machine soldering. It has the following outstanding advantages.

- No separation of solid components
- Excellent wetting and capillary action
- Fast drying
- Increased solder spread on printed circuit boards
- Reduced bridging and icicling
- Low quantity residual flux which may be left on the board
- For critical applications residues easily removed with any Alpha Cleaner

APPLICATION

This flux is specifically designed for foam or wave fluxing of printed circuit boards and other electronic assemblies. It offers advantages of instant wetting, excellent capillary properties and minimal residues after soldering. The flux is suitable for use with a variety of metallic surfaces, improving solder spread and reducing icicling and bridging.

PHYSICAL PROPERTIES

Physical State	Clear pale amber liquid	
Specific Gravity at 25°C		0.819 ±0.005
Flash Point (T.C.C.)		16°C (61°)
% Solids		14.6 ±0.5

ROSIN TYPE

Alpha A83 contains P.C. Rosin which ensures increased flux clarity, lighter colour and greater performance consistency. The use of P.C. Rosin eliminates crystallisation and simplifies flux residue removal.

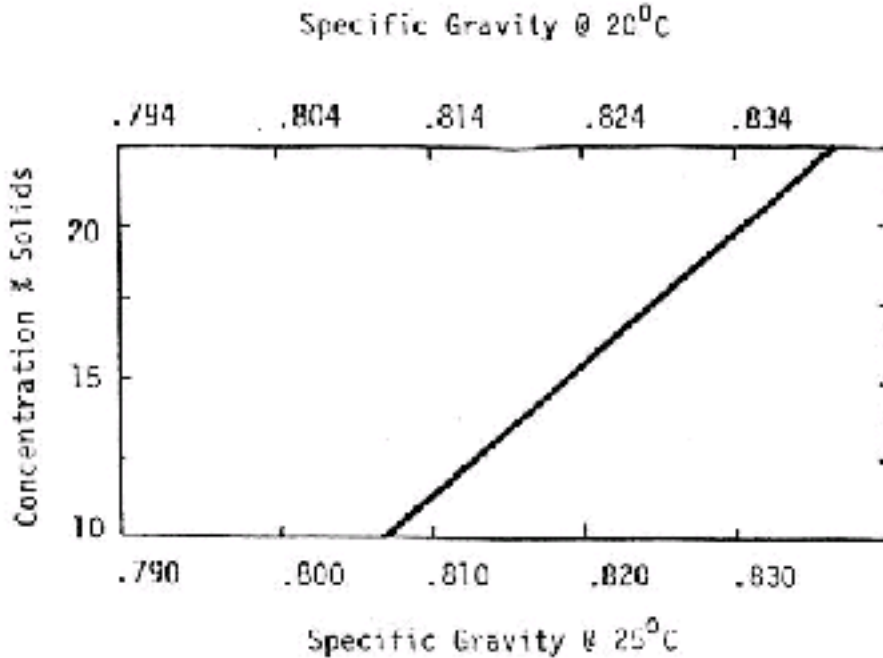
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THINNING

To maintain foaming properties, Alpha Thinner No. 425 should be added to compensate for evaporation loss. Add thinner until proper flux density is obtained.



RESIDUE PROPERTIES

Fully meet the British be effectively removed be used provided they Telecom Specification M459. If required, the residues may be effectively removed with any Alpha Cleaner. Other Proprietary cleaners may be used provided they have an adequate content of polar solvent.

For critical cleaning applications, consult your Alpha sales engineer for a demonstration of the Alpha Ionograph, which will allow you to determine total ionic residues.

PACKAGING

A83 Flux is packaged in 25 litre containers

HEALTH AND SAFETY

Containers of A83 are marked 'Flammable'. The U.N. Number of A83 is 1866. Use with adequate ventilation in a NO-SMOKING area. Avoid contact with skin and eyes, if necessary wear protective gloves and goggles and apron. Remove accidental splashes from the skin using soap and water, or an appropriate proprietary cleanser. Flush eyes with water and call a physician. Full health and safety information is available on specific request by an authorised person.

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