

ALPHA NR215

NO-CLEAN FLUX

DESCRIPTION

Alpha NR215 is a very efficient rosin and halide-free, low solids, no-clean flux. After soldering, a very small amount of barely visible residue is left which is tack-free and non-corrosive.

FEATURES & BENEFITS

- Very low solids
- Non-corrosive residues
- Fast wetting
- Tack-free residues
- Eliminates the need for cleaning
- High sir assemblies
- Defect-free soldering
- Accurate pin testing
- Can be applied by either spray or foam applicator

APPLICATION

Alpha NR215 flux is engineered for foam, spray and wave applications. Topside preheat temperatures in the range of 80° C-105°C are recommended.

Alpha NR215 flux can be maintained by titration.

Assistance in controlling the flux by this method can be obtained through our technical department.

PHYSICAL PROPERTIES

Appearance:	Clear, Colourless liquid
Solids Content, wt/wt:	2.1%
Specific Gravity @ 20°C:	0.804 ± .005
Acid Number (mg KOH/g):	16.5 ± 1.0
Flash Point (T.C.C.):	16°C
Recommended Alpha Thinner:	425 Thinners

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CORROSION AND ELECTRICAL TESTING

CORROSION TESTING

<u>Test</u>	<u>Requirement</u>	<u>Results</u>
IPC/Bellcore Copper Mirror Test	No complete removal of copper	Passes
Halide-silver chromate paper method	No detection of halide	Passes
IPC-SF-818 10-day Copper Corrosion Test	No evidence of corrosion	Passes

SURFACE INSULATION RESISTANCE (All Values in Ohms)

<u>Method</u>	<u>Conditions</u>	<u>Requirement</u>	<u>Results</u>
IPC-SF-818, (J-STD-004) Class 3, Not Cleaned	85°C/85% RH 7 Days	1.0x10 ⁸ min.	>1.0x10 ¹⁰

Alpha NR215 is designated as ORLO under J-STD-004 specification for S.I.R.

HEALTH & SAFETY

Observe standard precautions for handling and use. Use in well ventilated areas, DO NOT SMOKE. Avoid prolonged or repeated contact with the skin by the use of solvent resistant gloves.

Flammable, keep away from sparks and open flames. Remember, empty containers can still be a flammable hazard from residual vapours.

Remove skin splashes by immediate washing with soap and water.

In order to carry out your full COSHH assessment, consult the Material Safety Data Sheet (MSDS).

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