## >> ELSOLD Rosin-based Fluxes, Class 1.1.2 / ROM1 Medium to High Solid Content



### Product Description

Ready-to-use, halide-activated, rosin-based fluxes for general use in the electrical and electronic industry, for applications where halide-free fluxes classified as 1.1.3 DIN EN 29454-1 do not provide sufficient flux activity. The fluxes are available with various solid content configurations and are classified as 1.1.2 per DIN EN 29454-1 or ROM1 per DIN EN 91190-1-1.

The fluxes can be applied by foaming, spraying, brushing or dipping

### Flux Properties

| Flux Type -> | 850 | 878 M | 878 V | 880 |
|---|---|---|---|---|
| Solid Content | 40% | 17% | 8,5% | 48% |
| Thinner | 200 | | | |
| Acid Number (mg KOH / g Flux) | 62 | 53,2 - 58,8 | 29,5 | 81,4 - 90 |
| Chloride content | 0,65% | 0,35% | 0,18% | 1,3% |
| Gravity @ 20°C [g/cm³] | 0,891 | 0,828 | 0,807 | 0,898 |
| Flash point | 16,5°C | 13°C | 13°C | 16,5°C |
| Class | 1.1.2 per DIN EN 29454 – ROM1 per DIN EN 61190-1-1 (J-STD-004) | | | |
| Appearance | Uniformly clear, yellowish-brown | | | |
| Use | For soldering processes with high temperatures and long soldering times, esp. double wave. | For general applications in electrical and electronic industry. | | For soldering processes with high temperatures and long soldering times, esp. double wave. |

The fluxes provide for excellent uniform wetting also on slightly oxidized surfaces. The flux residues dry cure fast and are not tacky. They can easily and completely be removed with commercially available cleaners and solvents (on the basis of ethanol or 2-propanol).

The fluxes do not contain any insoluble precipitations and remain clear also during longer storage periods.

### Process Control

No particular control is required in case of closed fluxing systems. In case of open systems it is important to control the solid content in order to achieve consistently good soldering results. Chemical titrations the most reliable method. Automatic density control is sufficient for the fluxes with high solid content.

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### Pack Sizes

The above-listed fluxes – as well as the respective thinners – are available in 10L / 20 L containers.

### General Safety Information

The fluxes should be used according to industrial standards of practice. For safety advice please refer to the relevant material safety data sheets

### Storage

These solvent-based fluxes are flammable. Store away from sources of ignition. Observe a temperature range of 5 – 25 °C.

### Shelf-Life

Under adequate conditions these fluxes can be stored in original unopened containers for a minimum of 12 months



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