



FLUX WM 55.0 / 6,0%

Water based halogen- and resin-free flux

PRODUCT DESCRIPTION

WM 55.0 / 6,0% is a halogen-free flux on water basis, used in the assembly business of electronic production. WM 55.0 / 6,0% is especially developed for the use in the SMT and fine pitch technology and is able to create residue free PCB boards. Due to the especially developed activating and solvent system, it is practically impossible to leave corrosive or conductive residues on the PCB-surface after soldering. In account of these new characteristics, WM 55.0 / 6,0 % enables to reduce costs drastically in the fine pitch application, in the area of 0,5 mm pitch. The specific chemical composition ensures furthermore extremely good values of the surface insulation resistivity (S.I.R.). For high integration of electronic compounds WM 55.0 / 6,0% provides all characteristics as fixed in DIN EN 29454-1. In addition a much higher S.I.R.-value is achieved when measured at raised temperatures and at high humidity. For this reason WM 55.0 / 6,0% is applicable for high sophisticated electronic applications.

PRODUCT PROPERTIES

- resin-free
- halogen-free
- No-Clean
- highly activated
- good for conformal coating
- even gold soldering possible

In accordance with: DIN EN 29454-1: 2.1.3.A
 ANSI J-STD-004: OR M0

APPLICATION

WM 55.0 / 6,0% is suitable for the production of high qualified commercial electronic (OEM, communication, military, air- and space electronics). Of course ensures also in fields like radio, television, domestic units and in the automobile industry, best soldering results. Its excellent characteristics are very helpful to optimize the SMD production.

PROCESSING PARAMETERS - RECOMMENDATION

Preheating:	120 - 130 °C top side
Amount of flux:	ca. 25 - 30 ml / min
Transportation speed:	ca. 0,8 - 1,2 m / min
Solder bath temperature:	ca. 260 - 265 °C

CLEANING

Since the PCB surfaces are generally residue-free after soldering with WM 55.0 / 6,0% cleaning is not required after soldering. There are some specifications calling for cleaning. These conditioners remove all residues and provides high resistivity.

PHYSICAL PROPERTIES

Specific Density 20°C	1,017 g/cm ³
Solid Content	6,0 %
Acid Value	56,3 mg KOH /g
Color	clear

DELIVERY FORMS

- 2,5 L - 10 L - 25 L cans
- Special sizes by request

HINT

Our recommendations for the technical handling by word, writing and by tests ensues our best knowledge yet is nothing but an unobliging instruction, also in respect on possible protective rights against third parties and does not free from own tests of the delivered products regarding the suitability for your intended procedures and purposes. Usage, procedure and application happens outside of our possibilities of control and this lie outside our responsibility. Should nevertheless arise a liability it shall be limited to the value of the delivered and used product of our manufacture. We guarantee of course the faultless quality of our products in accordance with the general conditions of sale and delivery.