

# DEOX

## ADDITIVE FOR OXIDE SEPARATION



### APPLICATION

An additive for oxide separation from wet smears appearing on the alloy in soldering baths on soldering waves. It can be utilised both for cleaning the soldering alloy during a work shift and also in terms of regular maintenance.

### ADVANTAGES

1. Cost savings when soldering.
2. Improvement of the soldering process.
3. Easy application.

### SPECIFICATIONS

- Deox is a white to off-white coloured powder. The colour gradually becomes greyer when applied.
- The quantity of Deox applied cannot be defined in advance. As a guideline, the rule applies that for small and medium boiler volumes and medium production volumes (i.e. soldering 2-3 days a week in a single shift), the application dose for monthly maintenance is one pack, i.e. approximately 800 g.
- Deox used as an additive to the soldering bath during a work shift, or in terms of preventative maintenance reduces approximately 50 % of the wet smear weight back to the bath **without any change of the molten mass composition**.

### APPLICATION PROCEDURE

The preparation is applied to the surface and into the interior of the nozzle and the external environment prior to the wave crowding up in quantity corresponding to a layer approximately 1 mm thick. Deox applied to the nozzle area in advance eliminates creation of oxide cobwebs and curtains on the walls, which is common at turning the wave on and out during the soldering shift.

The actual quantity of the applied preparation depends at the given moment on the quantity of already dispersed floating oxides and also on the quantity and type of applied flux.

The typical colouration of the separated dross granules is dark grey under conditions when further mixing does not result in release of the molten pool, while the preparation is exploited without remainder. In this stage, the dross should be removed with the help of an appropriate stainless-steel punched ladle. Oxides captured in the ladle should be stored in a collecting vessel.

Standard time demands of maintenance mode when Deox is applied can be estimated at approximately 30 minutes a week (in terms of average operation and wave utilisation).

### LABELLING

**DEOX 0.825 kg**

### WARNING

Separated dross should only be handed on for recycling to a competent waste processor.  
More detailed information is stated in the safety data sheet.