



ISOLAT

operation manual

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SAFETY INSTRUCTIONS

General information

Read this user manual before use and follow all instructions. All activities on and with the insulated immersion bath **ISOLAT** may only be carried out to the extent that they are described in these operating instructions. Keep these operating instructions carefully and pass them on to third parties if necessary.

Safety instructions for the device






The insulating bath **ISOLAT** corresponds to the recognized safety rules and the relevant safety regulations. In addition to the operating instructions, the requirements of occupational health and safety must be observed and applied at the place of use.

The insulating bath **ISOLAT** do not use in potentially explosive atmospheres. Defective devices must not be put into operation and must be repaired immediately by a specialist company. The type plate and warning notices must be kept in a legible condition. No changes or conversions to the insulated immersion bath **ISOLAT** make. Misuse leads to the loss of conformity and the warranty of the company imt Zinssmeister OHG.

Use only original **ISOLOX**.

Explanation of the symbols on the device

The use of symbols in this manual is intended to draw your attention to potential hazards. The safety symbols and explanations must be fully understood. The warnings themselves do not eliminate risks and cannot replace correct measures to prevent accidents.

	Warning - To reduce the risk of injury, read the operator's manual.
	Wear safety goggles.
	Wear hand protection against heat.
	Hot surface warning.
	Electrical voltage warning.

PRODUCT DESCRIPTION



General

The insulating bath **ISOLAT** is designed to protect high-quality tools and sensitive metal precision parts against mechanical damage and corrosion. The insulating bath **ISOLAT** guarantees a constant temperature of the insulating compound **ISOLOX** through automatic temperature control via a thermostat.

Overheating and annoying odors are prevented in connection with the insulating compound specially developed for this **ISOLOX** avoided when used correctly.

Intended operation

The insulating bath **ISOLAT** is only used to protect tools and precision parts made of metal. Ambient temperature is not relevant. Working temperature of the device between 165 to max. 175 degrees Operating voltage is 230 volts

Technical structure - scope of delivery

Sturdy metal construction with aluminum crucible heated at the bottom by flat heaters. Temperature control by thermostat and control lamp, cover, protective cable 1.5 m. Safety data sheet of the insulating compound **ISOLOX** can be found at www.imt-zinssmeister.de.

Technical specifications

external dimensions	450x190x130mm
internal dimensions	375x145x85mm
capacity	about 2.5kg
control range	50 - 200 ° C continuously
tension	230 volts
power	800 watts
livery	blue, hammer effect

SERVICE

working method

Connect the electrical safety cable to the socket on the back of the device. Switching on and off is done with the temperature selection, using the controller on the front. **ISOLOX** requires a working temperature of 165°C to a maximum of 175°C. This is reached after about 100 minutes. We recommend heating at +20°C above the working temperature.

Before and during diving, the dipping compound must be stirred briefly at intervals (caution: risk of burns) so that the additives are evenly distributed. For longer stabilization, new mass must be inserted regularly. The fill level should always be around 90% if possible. You can easily dive past refilled masses. In the event of longer downtimes, the operating temperature on the thermostat should be reduced to approx. 50°C, or the device should be switched off completely. (**ISOLOX**- can be reused several times). Materials other than **ISOLOX** (not a hazardous substance, see safety data sheet) must not be heated, otherwise the warranty will become void.

Depending on the choice of temperature or immersion time, the desired insulation thickness can be determined: (e.g. high temperature and long immersion time = thinnest layer; low temperature and short immersion time = thicker layer).

protective gear



CAUTION: When handling heated equipment and mass, wear protective gloves against heat and goggles, there is a risk of burns.

Cooling down from working temperature to room temperature takes about 2 ½ hours.

Care instructions - maintenance - checks

The parts to be dipped should be as dry as possible and free from foreign substances (e.g. grinding or chemical residues), otherwise they will discolour **ISOLOX** brown and is no longer odorless. Then drain and clean the device and refill it with new diving compound. Make sure that the housing, the casting crucible surface and the lid are cleaned of spilled or even burnt dip material to prevent odor-forming evaporation.

The diving apparatus of the types **DPS** and **DT** are additionally equipped with a standby thermostat, which is put into operation by the toggle switch operation.

The standby thermostat allows for faster reheating. To ensure trouble-free operation of the insulated immersion bath **ISOLAT** Regular cleaning (approx. after 3-8 days) is recommended to ensure this. The tool insulation device is maintenance-free. Defective electrical parts (e.g. plugs, cables, switches and the like) must be replaced immediately by a specialist company.

Regular checks of the device must be carried out by the user in accordance with the technical regulations applicable to the area of application.



Electrical voltage warning.

DISPOSAL

The regulations on environmental protection must be observed. For disposal of the ISOLOX must be carried out in accordance with local and national regulations. Disused insulating bath ISOLAT to make something useless.

Electrical and Electronic Equipment (EEE) contains materials, components and substances that can be hazardous and pose a hazard to human health and the environment if Electrical and Electronic Equipment (WEEE) is not handled correctly. Equipment marked with the crossed-out ton below is electrical and electronic equipment.

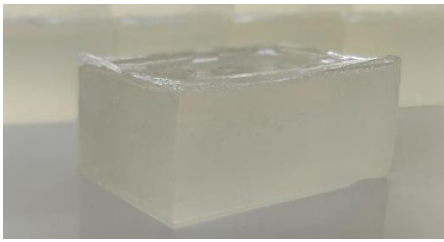


The symbol of the crossed-out bin means that waste electrical and electronic equipment must not be disposed of together with unsorted household waste, but must be collected separately.

To this end, all municipalities have set up collection systems, according to which residents can hand in electrical and electronic equipment to recycling centers or other collection points, or collect old electrical and electronic equipment directly from households. Further information is available from the technical administration of the respective municipality.

The correct disposal of the insulating bath ISOLAT find out from the local disposal company or municipal administration.

SUITABLE METAL DIPPING ISOLOX



Removable storage & transport protection

High-quality, sensitive precision parts or tools can be coated with the thermoplastic protective dip **ISOLOX** absolutely airtight and without gaps against corrosion and mechanical damage, as storage or transport protection. Accidental double calibrations of measuring equipment are also included **ISOLOX** avoided. In a matter of seconds, this simple hot-dip process creates a crystal-clear, airtight protective coating whose layer thickness can be freely selected.

The parts are then protected indefinitely, even tropical, polar and seawater-proof. Is just as easy **ISOLOX** also from complicated undercuts or boreholes> if necessary. Test required< easily and completely removable. After removal, a thin film of oil that remains protects against corrosion until it is finally used. **ISOLOX** is extra odour-free, harmless to the skin, impact-resistant, viscoplastic, reusable several times and available in special, luminous and transparent dyes (red, blue & green). Despite the coloring, all contours and signatures remain fully visible on the parts.

product data

Appearance when cold	colorless to light yellow solid in blocks
Specific gravity at 15.5°C	1,050
soaking point	105°C
working temperature	130°C - 170°C
film type	hard, oil-exuding plastic film
Film strength at 130°C	1.4mm - 1.7mm
resilience	Load capacity 0.57 m ² /kg
embrittlement after curing	no
Cracking after curing	no
Flaking after curing	no

hot melt dip

High-quality, sensitive precision parts or tools can be coated with the thermoplastic protective dip **ISOLOX** absolutely airtight and without gaps against corrosion and mechanical damage, as storage or transport protection. Accidental double calibrations of measuring equipment are also included **ISOLOX** avoided. In a matter of seconds, this simple hot-dip process creates a crystal-clear, airtight protective coating whose layer thickness can be freely selected.

Order in the online shop



www.imt-zinssmeister.de



Order the right hot melt dip now **ISOLOX** for maximum compatibility. Now also in color!



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