

Safety Instructions for UV-equipment

Safe use of ultraviolet (UV) light

With appropriate training and adequate protective equipment ultraviolet radiation is a reliable method for disinfection of surfaces, air and water, hardening and curing of lacquers etc. Ultraviolet radiation is the high energetic part of optical radiation and invisible to the human eye. Without protective equipment UV radiation damages skin and eyes and can in the long-term cause skin aging and potentially lead to skin cancer and opacity of lenses. It is important to follow some rules that allow a safe use of UV equipment:

DOS

- Wear appropriate personal protective equipment (safety glasses, UV-opaque face shield, gloves)
- Cover unshielded skin parts (don't forget the area around the neck!)
- Expel other persons from the workplace
- Test exposed materials for UV- stability



DON'TS

- Don't look into the radiation without safety glasses
- Don't expose humans, animals and plants to UV radiation
- Don't touch UV emitters and radiated surfaces. Risk of burns!
- Do not make any modifications to the equipment as the safety is then no longer guaranteed.



The operating instructions must be followed at all times. The operating instructions must be kept accessible for every user.

Explanation of typical warning symbols



WARNING

Ultraviolet Radiation

This equipment is classified into risk group 3 (high risk) in accordance with EN 62471 (Photobiological safety of Lamps and Lamp Systems). UV radiation causes damage to eyes and skin. Exposition von Augen und Haut vermeiden.

- Wear personal protective equipment.
- Cover unshielded areas at arms, legs and neck.
- Do not look into the radiation.
- Mark the working area with appropriate warning signs.
- Protect the working area from unauthorised access.



WARNING

Hot Surface

Lamps, enclosures and surfaces under radiation can become very hot during operation. Contact with the hot surface will cause burns.

- Do not touch hot surfaces.
- Allow the equipment to cool down (approx. 10 minutes).
- Wear protective gloves.



DANGER

Dangerous Voltage

Risk of electrical shock when working on live components.
Danger to life.

- De-energise the equipment.
 - Secure against restarting.
 - Check that the equipment is de-energised.
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