



Radium

XERADEX Mirrors

How to clean XERADEX Mirrors

XERADEX Mirrors are surface coated special mirrors for reflecting vacuum ultraviolet light at 172nm.

Most substances are nontransparent and non reflecting for 172 nm radiation. Ledvance developed specially for use with XERADEX lamps a surface coated, glass based mirror for this wavelength. As the thin reflecting sheath is on the front-side, surface coated mirrors are sensible to rough treatment. Surface coated mirrors must always be handled carefully to avoid scratches or breakage.

XERADEX Mirrors are developed for use in clean and noncorrosive surroundings.

In case that the mirror gets dirty, cleaning has to be done very carefully. The coating is much thinner than a human hair and can be destroyed by rough or wrong handling. The coating is softer than glass or quartz, so don't use the same cleaning method as for lamps or front windows – NEVER use abrasive cleaners like glass-cook-top cleaners or scouring milk! NEVER use paper towel or any other paper containing cloth.

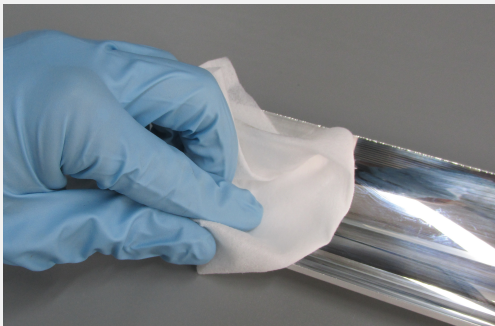
Manual cleaning

Radium

Material

For Cleaning only use

- Special microfiber cloth for lens cleaning
- Wood and paper-free cloth
- Different cloth-material has to be tested first



Solvents

Different solvents can be used

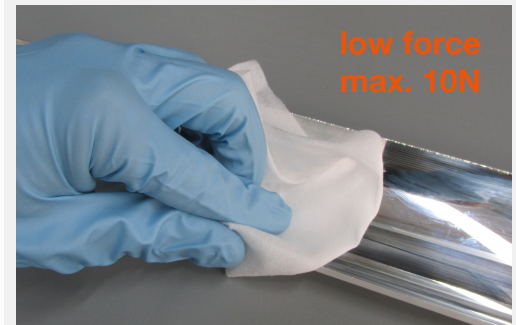
- Ethanol
- Acetone
- Mild dish soap
- Never use acidic cleaner!



Care

Clean carefully

- Never use force higher than 10N



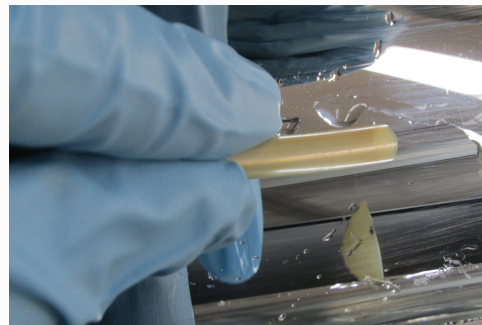
Rinse and Dry

Radium

Rinse

For Cleaning only use

- Many paper-free cloth contain soap
- Solvents may contain impurities.
- Rinse mirror with water (best distilled water)
- Use cold water, warm water dries to fast



Dry

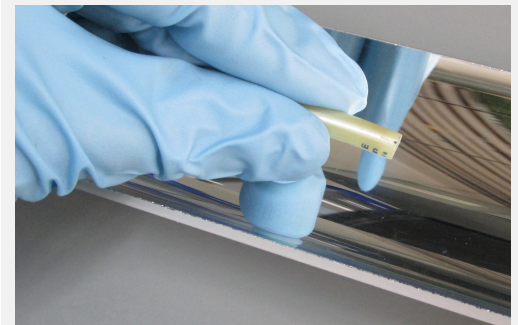
Different solvents can be used

- Blow away water by nitrogen gas
- Most compressed air contains oil and/or water, so don't use!

Dry

Clean carefully

- Do not let water dry on surface but blow away immediately





Radium

Radium Lampenwerk GmbH

Postfach/P.O. Box 1440
51678 Wipperfürth

Dr.-Eugen-Kersting-Str. 6
51688 Wipperfürth
Germany

Telefon +49 (0) 22 67 - 8 11
Telefax +49 (0) 22 67 - 8 13 53

xeradex@radium.de
www.xeradex.de
V181206