

UV MAX RED

COLORLESS UV TRACER FOR WATER LEAK DETECTION / WATERPROOFING TEST INDUSTRIAL MARKING / TRACING [LONG-LASTING MARKING]

UV MAX RED is completely colorless and leaves no trace on any type of substrate, avoiding any risk of stains on delicate and/or absorbent surfaces such as natural stone, facade coatings, tile joints... **UV MAX RED** is also a marker visible only under UV light after drying, for several weeks. This allows long-term tracing operations to be carried out without the risk of leaving traces on any type of substrate. **UV MAX RED** is an ultra-concentrated tracer!

A dosage of between 5 ml and 10 ml/L is sufficient in most situations. With the UV lamps from the FLUOTECHNIK range, **UV MAX RED** will offer you a powerful, highly visible luminescent contrast, making it an excellent leak, micro-leak, and capillary rise detector. **UV MAX RED** is used in conjunction with **UV MAX BLUE** for multi-tracing purposes.

UV MAX dispersions are quasi-submicronic aqueous dispersions of formaldehyde-free fluorescent pigments, offering an excellent balance between color strength and brightness/fluorescence. The pigment particles are ground in an appropriate non-ionic aqueous formulation, ensuring optimal pigment wetting and dispersion. It is recommended to mix the dispersions before use to ensure homogeneous color development. The dispersions can be diluted with water to any desired concentration.

Specific gravity	1.05
pH	approx. 7.5
Average particle size	1 - 2 µm
Hegman Mill	>5
Viscosity	100 - 1000 mPas
Boiling point	100 °C



ENVIRONMENTALLY FRIENDLY



2 TO 10 ML / LITER



READY TO USE



EASY CLEANING



AVAILABLE IN KIT



FLUORESCEN UNDER UV LAMP

[FORMALDEHYDE-FREE]

REGULATION & ECOTOXICITY

- All non-polymeric components are registered in EINECS and TSCA.
- Formaldehyde-free
- Acrylonitrile-free
- All non-polymeric components are registered in REACH, or are below the 1000 kg threshold.
- EN71 part 3 compliant (purity requirement). However, tests should be carried out on the final application.
- Heavy metal-free (except for natural values in the ppm range).

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APPLICATIONS

The UV MAX RED water-soluble, colorless tracer, visible only under UV light, is specially designed for:

- Investigation of hydraulic connection between natural environment and building
- Investigation of water infiltration on floors, interior walls
- Visual identification and connection test of buried pipelines
- Simulation of chemical product dispersion
- Leak detection on underfloor heating, glycol cooling network
- Leak detection on storage tanks
- Sealing control in industrial environments (IP standard validation test)

KEY POINTS

- Completely colorless, leaves no trace, very good chemical stability
- Visible under UV light after drying (several weeks)
- Red fluorescent under 365nm UV light from the Fluotechnik range
- Very high diagnostic accuracy thanks to its high fluorescence efficiency
- Very good solubility, easy dispersion
- Low dosage, economical

LIGHTFASTNESS

The UV MAX series can partially withstand the multiple factors generally known to influence lightfastness. Depending on the formulation, shade, and application thickness, values up to 3 on the BWS scale can be achieved.

STABILITÉ THERMIQUE

After drying, the Fluotechnik series can withstand temperatures of up to 160°C for up to 5 minutes without affecting the perceived shades.

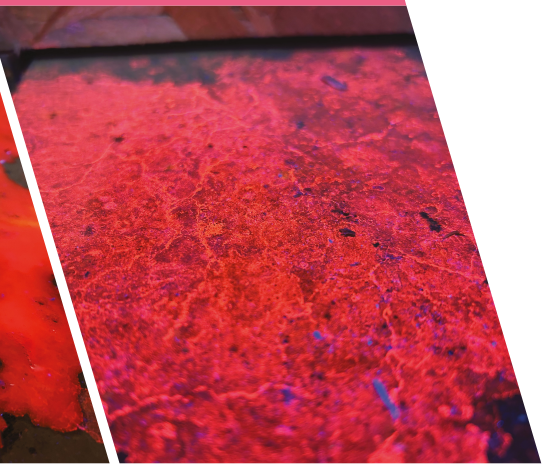
VIEW UNDER NATURAL LIGHT



BEFORE DRYING (UNDER UV)



AFTER DRYING (UNDER UV)



STORAGE AND HANDLING

UV MAX dispersions offer good storage stability, but it is recommended to use them within the 12-month shelf life.

The ideal storage temperature is between 10 and 30°C. Storage above 35°C leads to an increase in viscosity. Dispersions must be protected from freezing. Despite a small integrated antifreeze stabilization, designed to prevent freezing during short transportation periods.

It is recommended to homogenize the UV MAX dispersions before use for optimal color development and color consistency.

WARNING!

This information is provided as a guideline, to the best of our knowledge, at the time of writing, and does not constitute a guarantee. The user must test the product in their own application and ensure that its use complies with current regulations for the intended application and the geographical area(s) targeted for the commercialization of the finished product.