

Ultraviolet Light Amount Distribution Measurement Film

UVSCALE Application Examples

No.8 Field Printing

Measured objects

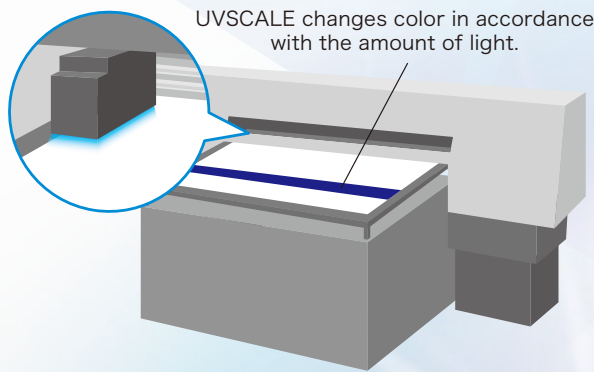
- Wide format printers
- Large format flatbed printers
- Small printers

Purpose

To check the distribution of irradiation during the UV exposure produced by UV inkjet printers.

Outline of use Use tape to attach the UVSCALE to the object to be measured (paper, resin etc) and, in maintenance mode, perform UV exposure only, passing the head over once. By checking the color density of the UVSCALE, you can determine the UV irradiation area and UV distribution over the plane of irradiation.

[Example use] Checking the UV light amount and distribution produced by UV inkjet printers.

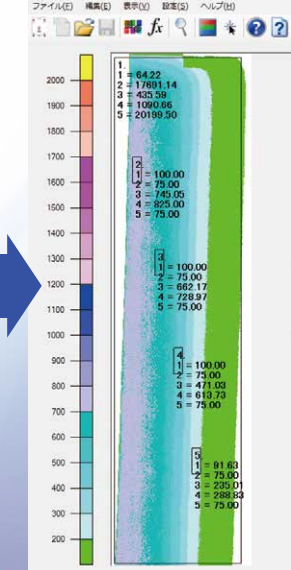
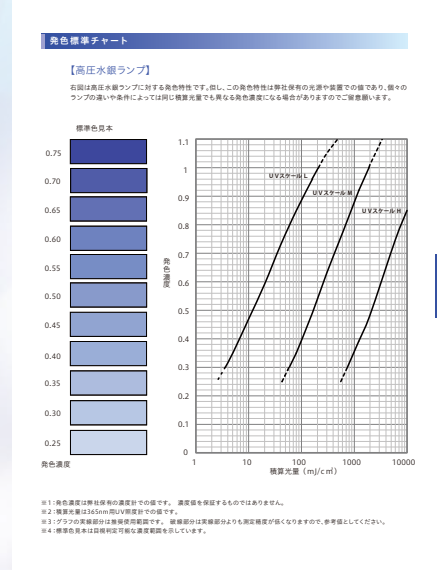


Acceptable

The surface of the whole product has been irradiated evenly with UV light.

Defective

UV irradiation is insufficient in some areas.



- ① Visual check with standard color charts
- ② Management by converting colors into numeric values with analysis systems

Benefits of UVSCALE

- Since UVSCALE can be used to check evenness of UV irradiation at the time of product shipping or user purchase, it can be utilized to provide quick, simple evidence that UV irradiation is correct.
- If a problem occurs, using UVSCALE to take initial measurements allows the cause to be isolated at the very first stage. This helps reduce the time and effort required for problem resolution.
- When starting production of new printed materials, using and checking the color of UVSCALE provides a reference for curing standards when conditions such as printing speed or lamp distance are changed.
- UVSCALE can be used periodically to keep track of lamp deterioration over time.

UVSCALE Search http://www.fujifilm.com/products/industrial_products/uvscale/