

#### WE MAKE THE INVISIBLE VISIBLE

# 

*Reliable, early and passive method for detecting fatigue cracks* 

RILUMINATI IS A LICENSED PRODUCT OF:



#### **Product Features:**

- Long-term monitoring of critical, dynamically loaded steel structures
- 🤣 Can also be used in hard-to-reach areas
- Possibility of automated crack detection
- (Structure Health Monitoring) for running processes



Testing under UV radiation (365 nm)

Top coat, black

- Low effort for the user due to one-time coating and large-area testing
- Uncomplicated application without special knowledge (e.g. EN ISO 9712) required

**RILUMINATI 816** 

## **RILUMINATI 815** Indicator layer, fluorescent





**MR Chemie GmbH** 

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Load Change

CHEMIE

NDT-MATERIALS

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## **RILUMINATI**

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#### WORKSTEPS



1. Choose position Location or area to be monitored



**2. Indicator layer** Apply RILUMINATI 815 evenly and thinly to the substrate



**3. Top coat** Apply **RILUMINATI 816** evenly and thinly over the indicator layer



**4. Verify** RILUMINATI reproduces the movements of the substrate when cracks appear

**Hinweis:** After a drying time of a few minutes, Riluminati is already fully ready for use. (Drying time may vary depending on the ambient temperature)

#### EXAMPLE OF USE | BUTT WELD TESTING









n = Number of load changes

### EXAMPLE OF USE | BUTTOCK WELDING



n = Number of load changes



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