



CGM CIGIEMME S.p.A.

Controlli Non Distruttivi - Non Destructive Testing



PRODUCT DATA SHEET

Magisglow Waterfluor 100

- **General description and composition**

Fluorescent penetrant liquid water-based for NDT, water washable.

Type I – Method A – Level 2 (EN ISO 3452-2)

Magisglow Waterfluor 100 generates defined and brilliant indication with a very low background fluorescence.

It is a water-based mixture of organic fluorescent dyes, surfactants, and poly-glycols.

It is petroleum distillates free.

- **Packaging**

- 10 l jerrycans
- 200 l metal drums
- 1000 l IBC containers

- **Appliability**

The surface to be treated must be previously degreased and cleaned to remove any traces of oil and other pollutants that could compromise the test result. For the cleaning phase, we recommend the use of our Velnet/Solnet, product in jerrycans or drums (cod.02011000) and in 400 ml spray cans (cod.03011010).

Magisglow Waterfluor 100 is applicable by spraying, brushing or dipping, on ferrous and non-ferrous materials.

The use on plastic materials and porous materials is not recommended. It is advised to execute preliminary tests.

- **Technical data**

		Reference standard
APPEARENCE	Yellow clear solution	
ODOUR	Almost odourless	
DENSITY @20°C	1,05 Kg/l	UNI EN ISO 12185
FLASHPOINT	Non-flammable	EN ISO 2719
CLASSIFICATION	Type I – Method A – Level 2	EN ISO 3452-2
WATER TOLLERANCE	> 5%	EN ISO 3452-2

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- **Testing time and temperature:**

- | | | |
|----------------------|-------|--|
| ○ Penetration time: | _____ | 3 to 20 minutes |
| ○ Washing time: | _____ | 30" to 2 minutes |
| ○ Drying time: | _____ | till complete drying |
| | | Use of compressed air or warm air (< 71°C) allowed |
| ○ Development time: | _____ | 2 to 10 minutes |
| ○ Temperature range: | _____ | 4°C to 52°C |

A penetration time of 10 minutes is generally sufficient for almost all situations, however, since many factors may take part in the process (surface temperature, surface nature, defect type, ect.), we advise to execute a preliminary test to better define the timing

- **Compliant:** EN ISO 3452-2, ASME V Art. 6, ASTM E 1417 and ASTM E 165
- **Storage:** between 5°C and 45°C for 3 years
- **Health and safety:** safety data-sheet available upon request

REV.00

DATE: 14/02/2023

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