

Eco-Magna LY-Conc. Series

A new series of concentrated magnetic particle suspension products called “Eco-Magna LY-Conc.” are now available. They are eco-friendly and easy-to-use !



The Eco-Magna LY-Conc. series will make it even easier to adjust density levels than the current LY series and will reduce time spent working.

They will also give you the optimum magnetic particle suspension by diluting them with water because the Eco-Magna LY-Conc. series consist of the fluorescent magnetic particles contained in the LY-10, 20, 30, and 40 series with the addition of a highly concentrated water conditioner.

FEATURES

- Eco-Magna has equivalent sensitivity compared to our formal products.
- A high level of storage stability enables easy-to-use by a light shake of containers.
- They make easier for you to adjust the magnetic particle suspension with no scattering dust while magnetic particles are measured.
- High levels of dispersion stability and constant concentration drastically reduce the quantity consumed.
- An even application of particle suspension due to a high level of wetting ability ensures more accurate detection of defects.
- No control should be necessary because an addition of water conditioner is not required.

CHARACTERISTICS

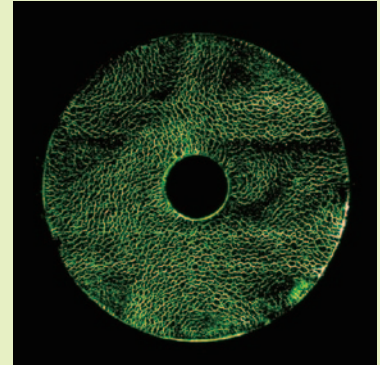
	LY-10 Conc.	LY-20 Conc.	LY-30 Conc.	LY-40 Conc.
Fluorescent color* ¹	GY	GY	GY	GY
Fluorescence* ^{2,4}	180	260	110	125
Particle size* ³ (μm)	9	12	4	9
Appearance	Deep green	Deep green	Brown	Deep green
Specific Gravity	1.14	1.14	1.12	1.15
ASTM · AMS* ⁴	Meet	Meet	Meet	Meet

1.Color:GY=Greenish Yellow 2.Fluorescence is indicated as relative value compared to standard benchmark product.
3.Particle size (by laser scattering particle size distribution analyzer) 4.Magnetic particle itself is applied.

SAMPLES(quenching crack test)
ISO Reference Block I Type is used.



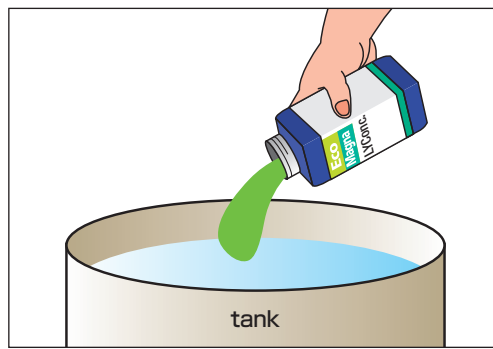
Before



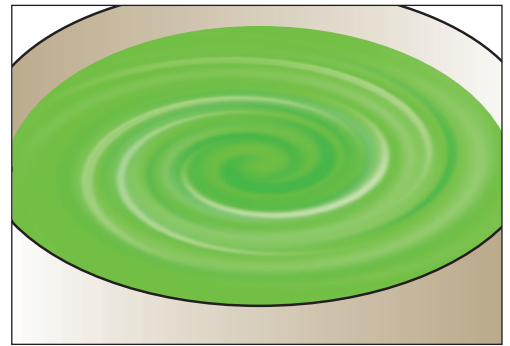
After (LY-20 Conc.)

■ USAGE

- 1 Pour one bottle of LY-Conc. into 100L water in the case of 500mL plastic container.



- 2 Agitate them in a tank to keep even concentration levels of particle suspension. (Recommended concentration:1.0g/L)



- 3 Start an inspection after checking the suspension fluid, approx. 10 minutes later.

- 4 Follow the same procedure as above whenever LY-Conc. is additionally required.

APPLICATION

- Eco-Magna LY-10Conc. : For multi-purpose(high-brightness)
- Eco-Magna LY-20Conc. : For high-brightness, low materials of steel, automated-inspection
- Eco-Magna LY-30Conc. : For precision inspection, aircraft parts, etc.
- Eco-Magna LY-40Conc. : For multi-purpose

PACKAGE

- 500mL Plastic container (100g of magnetic particle)
- 4L Steel Can (800g of magnetic particle)

CAUTION

- ① Please shake containers lightly before measuring.
- ② Do not use water including salt nor any contaminant.
- ③ Usable in the adjusted concentration as required.
(Recommended concentration:1.0g/L)

< Example of Preparation >

Concentration	LY-Conc./Water
0.5g/L	250mL/100L
1.0g/L	500mL/100L
2.0g/L	1000mL/100L

