

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
Fluorescent coefficient*2,4 (cd/W)	8.2	11.6	5.8	5.8
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

1. Color: GY=Greenish Yellow 2. Evaluation by fluorescent coefficient(cd/W)(JIS Z2320-2) Fluorescent coefficient = luminance / intensity of ultraviolet
 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.



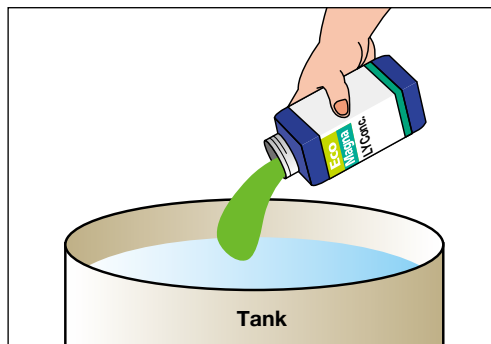
Before



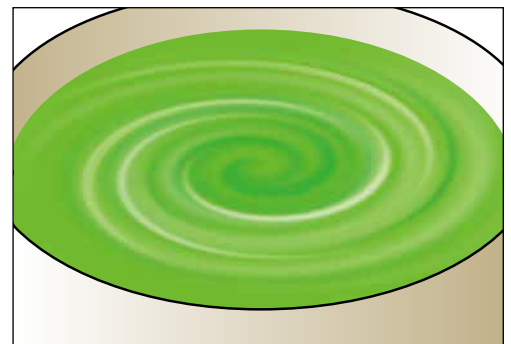
After(LY-20 Conc.)

USAGE

- 1** Please put one bottle(500mL) of Ly-Conc. into 100L of water.



- 2** Agitate them to be uniform, then we can have particle suspension on a concentration of 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**)

<Preparation case of 100L>

Concentration	Necessary volume of LY-Conc.
0.5g/L	250mL
1.0g/L	500mL
2.0g/L	1000mL

