AQUASOL HS

SBQ-Type Water Resistant Emulsion for Thicker Coating

MURAKAMI CO., LTD.
◆ 5-3-10 Yokokawa, Sumida-ku, Tokyo Japan
URL http://www.murakami.co.jp/english/index.html

Features

- One Pot type emulsion for thicker coating.
- High Solid contents achieve easy coating of thicker and flat surface.
- High sensitivity makes exposure time shorter and achieve efficient productivity.

Applications

- Water based ink applications such as textiles ,flags and so on.
- Plastisol ink applications under circumstances turpentine oil or orange oil is used as screen cleaner.

Specification

- Viscosity…30000±5000mPa･s(25℃)
- Solid contents…51±1%
- Packing…1kg set、5kg set

Coating Process

Coating Process	E.O.M ／μm Nittoku Smartmesh-P 31/80-54(Tno.80SS)
①P:2 S:2	70～80μm
②P:2 S:5	170～180μm
③P:2 S:10	340～360μm

※This is for reference.Bucket type and coating speed affect the results.

Exposure

Screen	E.O.M ／μm	Lump:3kw metal halide
		UV42 sensor 12mw／cm2
Nittoku Smartmesh-P 31/80-54 (TNo.80S)	200	40～60s
	500	300～360s
	1000	1500～1600s

※This data is fore reference.

※Take a step wedge test to find the optimum exposure time.

Usage

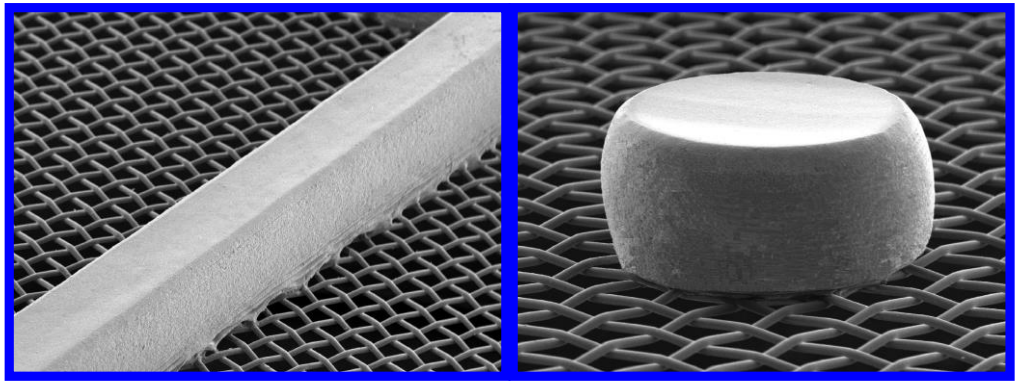
- Wash and degrease screens with MSP-Cleanser.
- Coat the emulsion slowly to prevent air bubbles.
- After coating, dry coated screens at around recommended temperature 104°F (40℃).
- Even though AQUA SOL HS is stable against temperature, please do not dry coated screens at high temperature to prevent affects on accuracy of size of images.
- Please use after stirring the emulsion thoroughly.
- After using, it is better to filter the emulsion with screen mesh when pouring back remaining emulsion into containers to avoid dust and foreign contaminants.
- Store the emulsion in cool and UV safe place.

Resistance aginst solvents

Test Solvent	Evaluation	Test solvent	Evaluation
Water	◎	Turpentine Oil	○
Orange Oil	○	Kerosene	○
Solvents	×		

◎･○ :Good △ : Not recommended × : Not applicable

SEM



･E.O.M:1000μm
Line width:800μm

･E.O.M:1000μm
Diameter:2000μm

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