

AQUASOL NO. 2

Water-resistant SBQ Emulsion



MURAKAMI CO., LTD.

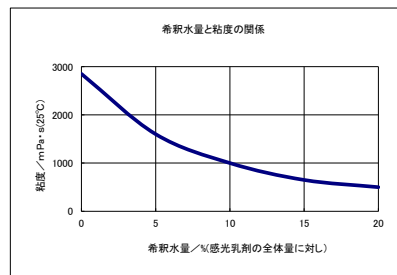
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URL <http://www.murakami.co.jp/english/index.html>

Features/Applications

- Superior water resistance and extended durability.
- Fusion of photopolymer and SBQ offers FAST EXPOSURE and productivity improvement.
To extend durability, use provided diazo.
- Produces soft and flexible stencils, superior mesh bridging ability.
- For more durability, additional Hardener is recommended.
Once screen is treated by hardener, it is impossible to reclaim or reuse.
- Suitable for textile application or water-based ink systems.

Specifications

- Viscosity...2000~3000mPa·s (25°C)
- Solids Contents...41.5~45.5%
- Packaging Standard...1kg set · 5kg set
※Contact Murakami for custom packaging.



Exposure Data

【Without diazo】

Screen	EOM / μ m	4kW Ultra-high pressure mercury lamp	3kw metal halide lamp 100cm
		UV intensity: 17mW/cm ²	UV intensity: 12mW/cm ²
Polyester150S(bias)W	15	15~25s	20~30count
Polyester250T(bias)Y	15	20~30s	25~35count

【With diazo】

Screen	EOM / μ m	4kW Ultra-high pressure mercury lamp	3kw metal halide lamp 100cm
		UV intensity: 17mW/cm ²	UV intensity: 12mW/cm ²
Polyester150S(bias)W	15	40~50 s	60~70count
Polyester250T(bias)Y	15	50~60s	70~80count

※ Metal halide lamp exposure: 1count = 1 sec.

※ The above exposure data is based on the provided exposure light source and specified testing parameters. Take a step wedge test to find the most optimum exposure time with your light source.

Instructions

- Degrease mesh with MSP cleanser.
- Prior to use, simply stir the emulsion and stand for an hour to release bubbles.
- For more extended durability, dissolve provided diazo with water, 10% equivalent to emulsion volume. Pour into emulsion and mix it well.
- Prior to use, let mixed emulsions stand for a day. Or for immediate use, filter emulsions with 250 or higher mesh to prevent fisheyes or air bubbles.
- Optimum viscosity for both manual / machine coating.
- To prevent air bubbles, coat slowly.
- Dry screens with warm breeze. Although emulsions remain stable quality against hot temperature, to avoid decend of screen tension or accuracy of demension, do not dry at high temperature.

【Remarks】

- To eliminate pinholes and fisheyes, it is recommended to filter the mixed emulsion with screen mesh before pouri into scoop coater. It will effectively remove any dust or foreign contamination, especially when the emulsion container was previously opened and used.
- Store in the cool and UV light safe area.

Solvent Resistant Rating

Solvents	Rating	Solvents	Rating
Water	○	Citrus based chemicals	◎
Conventional solvents	×	Turpentine oil	◎

◎・○ : Good △ : Fair × : Not recommended ※24hours absorption test

Microphotograph of print side

