

It's NEW!

# Cosmolight<sup>®</sup> NS

## KEY ADVANTAGES

1. Washes-out in plain tap water with a small amount of mild detergent.
2. Eliminates the use of dangerous hydrocarbon and hazardous washout solvents.
3. **Excellent Resistance to co-solvent ink**
4. Print quality is excellent with water-based, alcohol-based and UV ink.
5. High resolution and reproductivity provide sharp details.
6. Excellent ink transfer.
7. Plates are "press-ready" in an hour and "press down-time" is dramatically reduced.
8. Excellent thickness tolerance allows for "kiss" impression settings.
9. "A closed washout system" allows for repeated use of the washout solution.
10. Anti-static treatment enables dust-free handling.

Plate Type	Cosmolight <sup>®</sup> NS		Cosmolight <sup>®</sup> NEL		Cosmolight <sup>®</sup> NEO	
<b>Main Applications</b>	Flexible Packaging Paper/Plastic Bags Plastic Sacks Beverage Containers Aluminum Foil	Tag & Label Pre-print Liners Envelopes Napkins Tissues	Tag & Label Envelopes Paper bags Beverage containers Packaging papers		Tag & Label Envelopes Paper Bags Beverage Containers	Napkins Tissues Pre-print Liners
<b>Key Advantages</b>	<ul style="list-style-type: none"> <li>● Lowest dot-gain and clearer reverse printing</li> <li>● Highest resolution and reproduction capability</li> <li>● Outstanding ink transfer</li> <li>● Easy inspection</li> <li>● Easy mounting</li> <li>● Press-plate ready within one hour</li> <li>● Higher co-solvent ink resistance</li> </ul>		<ul style="list-style-type: none"> <li>● Lowest dot-gain and clear reverse printing</li> <li>● Highest resolution and reproduction capability</li> <li>● Higher ink transfer</li> <li>● Wider latitude of exposure time</li> <li>● Easy inspection</li> <li>● Easy mounting</li> <li>● Press-plate ready within one hour</li> </ul>		<ul style="list-style-type: none"> <li>● Excellent ink transfer</li> <li>● Less dot gain and sharper screen image</li> <li>● Higher durability</li> <li>● Wider latitude of exposure time</li> <li>● Easy inspection</li> <li>● Easy mounting</li> <li>● High ozone resistance</li> </ul>	
<b>Plate Color</b>	Blue		Blue		Blue	
<b>Durometer (Shore A Hardness)</b>	60 - 65°		45 - 50°		55 - 60°	
<b>Carrier Material</b>	Polyester film 0.125mm (0.005")		Polyester film 0.125mm (0.005")		Polyester film 0.125mm (0.005")	
<b>Plate Thickness</b>	1.14/1.70/2.30/2.54 /2.72/2.84/3.18mm		1.14/1.70/2.30/2.54 /2.72/2.84/3.18mm		1.14/1.70/2.30/2.54 /2.72/2.84/3.18mm	
<b>Plate Size</b>	457×610mm(18"×24") 457×762mm(18"×32") 610×762mm(24"×32") 762×1016mm(30"×40") 1067×1524mm(42"×60")		457×610mm(18"×24") 457×762mm(18"×32") 610×762mm(24"×32") 762×1016mm(30"×40") 1067×1524mm(42"×60")		457×610mm(18"×24") 457×762mm(18"×32") 610×762mm(24"×32") 762×1016mm(30"×40") 1067×1524mm(42"×60")	
<b>Image Reproduction</b>	Screen Image 175LPI/1 - 95% Fine Line 0.03mm(0.001") Isolated Dots 0.10mm(0.004")		175 LPI/1- 95% 0.03mm(0.001") 0.10mm(0.004")		150 - 175LPI/2 - 95% 0.05mm(0.002") 0.15mm(0.006")	
<b>Processing Time</b>	1.70mm(0.067")		1.70mm(0.067")		1.70mm(0.067")	
<b>Back Exposure</b>	27" - 40"	2' - 5'	32" - 45"	4' - 6'	27" - 40"	3' - 5'
<b>Main Exposure</b>	4' - 6'	4' - 6'	4' - 9'	4' - 9'	3' - 8'	3' - 8'
<b>Washout</b>	6' - 15'	6' - 15'	7' - 20'	7' - 20'	6' - 15'	6' - 15'
<b>Drying</b>	20'	20'	20'	20'	20'	20'
<b>Post Exposure</b>	3' - 4'	3' - 4'	5' - 20'	5' - 20'	3' - 4'	3' - 4'
<b>Light Finishing</b>	0' - 10'	0' - 10'	0' - 10'	0' - 10'	0' - 15'	0' - 15'
<b>Washout Solution</b>	Water containing small portion of detergent		Water containing small portion of detergent		Water containing small portion of detergent	
<b>Thickness Tolerances after Processing</b>	0.020mm(0.0008")		0.020mm(0.0008")		0.020mm(0.0008")	
<b>Resistance to ink</b>						
Water Based Ink	OK		OK		OK	
Alcohol Ink	OK		OK		OK	
<b>Co-solvent Ink</b>	<b>OK</b>		<b>NO</b>		<b>NO</b>	
UV Ink	OK		OK		OK	
Oil Based Ink	OK		NO		NO	

※1) Other sizes and gauges are available with a minimum order and/or upon your request at an additional cost.

※2) Exposure time, which depends on the kind of lamp, lamp age and image characteristics, should be re-adjusted for optimum plate quality. (Relief depth 0.7 - 0.9mm, UV-lamp Philips TLK40W/10R)

※3) Washout time depends on relief depth required for each application. Water temperature 40°C(104°F).

※4) Light-finishing time depends on application and equipment used.

**Waste Water Treatment** : Please follow all the laws and regulations in your country.  
Cosmolight is a trademark of TOYOBO in Japan.

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