

Silk-Screen Adhesive SP310*

Water Based, Screen-Printable Adhesive for Temporary Tattoos

NT19ADH
(12/14)

Product Description:

Silk-Screen Adhesive SP310 was specifically formulated for temporary tattoos. A water-based emulsion, SP 310 contains less than 0.5% VOC's; only water is evaporated during processing. SP310 exhibits ideal viscosity and rheology with great leveling. This results in a smooth, professional adhesive layer that maximizes skin contact and extends tattoo life. **NOTE: This adhesive is designed for use on a printing press. It is not intended to be applied directly to the skin in its wet state.**

Application / Use:

SP310 is recommended for mesh counts of 60 through 230 tpi. Although its shear-thinning qualities allow a wide range of mesh counts to be used, typically 110 tpi mesh provides ideal adhesive thickness for temporary tattoos.

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| Prep: | Mix adhesive thoroughly before use |
| Screen: | 110 tpi mesh |
| Stencil: | Image Mate DZ 343 photoemulsion (no hardener required)* |
| Printing environment: | 50% or higher relative humidity |
| Drying: | Hot air dryer for rapid curing; racking in a dry area (< 50% |
| humidity) Cured: | Adhesive will be optically clear when thoroughly dry |
| Stencil cleaning: | Hot water for wet adhesive; dry adhesive can be removed readily using acetone. |

Physical Properties:

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|-----------------------|----------------------------|
| Polymer Type: | Acrylic copolymer emulsion |
| Appearance: | White liquid, dries clear |
| Viscosity / Rheology: | ~ 13,000 cps / thixotropic |
| Solids: | 58 - 62 % |
| pH: | 3.7 – 4.7 |
| Wt. per gallon: | 8.6 lbs. |
| VOC content: | < 0.5% by wt. (calculated) |
| Freeze/Thaw Stable: | No |
| Shelf life: | 1 year minimum |

Compliance Information:

Non-irritant as defined by 16 CFR
1500.3(C)(4); Complies with California
Proposition 65
SP310 does not contain any FDA cosmetic restricted substances
SP310 does not contain any animal products or byproducts



For more information, contact your Colorcon representative or call 1-800-724-0624
You can also visit our website at [http:// www.colorcon.com/notox](http://www.colorcon.com/notox)

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