

Silk-Screen Adhesive SP310*

Water Based, Screen-Printable Adhesive for Temporary Tattoos

*NT19ADH
(12/09)*

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.

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.

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:

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