



NEWDINE K SERIES

TABLE ADHESIVE FOR TEXTILE PRINTING

Solvent Resistant Type

Newdine K2H, KH and KS are permanent type table adhesive with solvent resistant properties. Newdine K series is a colorless or light yellow liquid (Viscosity 250-260 cps.) Upon drying, Newdine forms a durable resin film highly resistant to water, chemicals, acids, detergents and printing paste.

Newdine KH is most effective at temperature of 45°C and above. For Printing Table temperature lower than this, Newdine KH is mixed with KS to achieve a higher tack. Under special circumstances Newdine KS may be used alone. The adhesive power of Newdine KH/KS can be adjusted by changing the KH to KS ratio, thus allowing for variable tackiness that is needed for printing on different goods from sheer to double knits on unheated table the temperature taken to be room temperature. For Printing Table temperature higher than 50°C Newdine KH is mixed with K2H.

The excellent adhesive power of Newdine K2H, KH and KS makes it suitable for : Printing Pastes containing Turpentine, Pigment printing, and wet printing.

Newdine is applied in very thin coats to allow an even surface and rapid drying. 1.5 kgs will cover approximately 10 square meter with an initial multilayered film. Additional layers may be applied at a later date directly over this original coating, using a fraction of amount used initially. When desired water soluble adhesive may be used directly over the Newdine film (for problems such as high lint orlon challis), and can be washed off in the usual manner, with the adhesive power of the Newdine KH/KS and K2H/KH unaltered by the wash.

The film formed with Newdine will further preserve the belt and protect the belt or the table surface. (Newdine will not dry out and crack). Paste, dye, etc., may be easily washed off by water, and Newdine is relatively unaffected by brushes, rollers, and doctor blades often found in belt washing equipment. (Note: all rollers coming in contact with the adhesive surface of the belt on automatic tables) must be completely cleaned, and must have teflon sleeves or teflon coating).

Most synthetic fibers have a low affinity for water and water soluble adhesive so that in using Newdine K2H, KH and Newdine KS a uniform tackiness for all fibers is assured. The goods adhered to the table coating with Newdine K2H, KH and KS are dry, and therefore more receptive to the printing paste or emulsion than if the goods were wet from water soluble adhesive.

Variable adhesive power is achieved by mixed Newdine K2H, KH with Newdine KS in a specific temperature related ratio. When using Newdine K series, please refer the following ratio:

THE STANDARD COMBINATION RATIOS OF NEWDINE K SERIES

SURFACE TEMP. OF PRINTING TABLE	FOR STRONG ADHESION			FOR WEAK ADHESION		
	N- KS	N- KH	N-K2H	N-KS	N- KH	N-K2H
20°C	45	55	0	35	65	0
30°C	35	65	0	25	75	0
40°C	25	75	0	10	90	0
50°C	10	90	0	0	90	10
60°C	0	80	20	0	70	30

N-KS : Newdine KS, N-KH : Newdine KH, N-K2H : Newdine K2H

Notice:

Newdine K Seires can be removed by any of aromatic types (toluol or xylol), or the ester type (ethyl acetate, etc) solvents but the effect will be better if several solvents are used in mixture.

Newdine K series can be diluted by ester type or ketone type solvents, if it needs to reduce the viscosity.