



HEMACRYL – NW

SOFT BINDER FOR FLOCKS AND NON-WOVEN

Hemacryl –NW is a self – cross linking Acrylic emulsion used mainly in the fields of non-woven, lamination, flocking and finishing of textiles.

TYPICAL PROPERTIES :

Appearance	: Milky White Liquid
Solid %	: 45 ± 0.5%
Ph	: 3
Viscosity (Brookfield Spindle No.3-60rpm)	: upto 500 CPS
T-300	: -14 oC
Storage	: Protect from freezing

NON-WOVEN APPLICATION :

There are various methods of to get the non -woven fabrics using Hemacryl -NW. Hemacryl –NW is suitable for bonding non -woven alone or in continuation with mechanical methods.

SATURATION BONDING

Following recipe will illustrate the formulation used for saturation bonding of non-woven fabrics :

Hmeacryl –NW	300 parts
Wetting out agent (10%) (Noigen X-100)	5 parts
Water	655 parts
Di-ammonium Phosphate (25%)	<u>40 parts</u>
	<u>Total : 100 parts</u>



The web is passed through this solution on a screen and then dried and cured in the usual manner at the usual temperatures.

PRINT BINDING

The formulation used in this system is as follows:

Hemacryl –NW	95.00 parts
Anti Foam (1:1)	0.20 parts
Wetting out Agent	0.50 parts
Di-ammonium phosphate (25%)	<u>4.00 parts</u>
	<u>Total : 100.00 parts</u>

If viscosity is required to be increased, small quantities of Hemacol -TH should be added before the addition of catalysts. Moreover the final pH of the mix should be brought to 8-8.5 with liquor ammonia.

The well wetted non-woven web is passed through an engraved chromium plated roller and rubber roller with a felt sleeve to the dyeing and curing chamber.

NOTE : The information given in this technical bulletin is based on data believed to be reliable and is given in good faith. We do not guarantee the results to be obtained nor we assure any liability in this respect.