



DenimBlu^{coat}

indigo paste for fabric and
garment finishing.

suitable for pigment dyeing process,
paste or foam application.

typical indigo wash down
behaviour.

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BLU^{CONNECTION}
people. passion. projects.



features of DenimBlu^{coat}

- aqueous suspension of indigo
- paste-like consistency
- can be diluted with water in any ratio
- pH 6 to 7
- non-ionic
- density 1.02 g/mL
- shelf life 1 year

advantages using DenimBlu^{coat}

- pigment preparation of indigo with high color yield
- extremely fine particle size
- suitable for pigment dyeing processes and for coating in paste or foam
- typical clear indigo hue
- indigo-like performance in wash down processes like enzyme and bleach
- for application on flat fabric and denim



foam coating recipes

parts	Chemical	comment
X	foaming preparation	compound product
Y	DenimBlu ^{coat}	amount depends on depth of coating required
1000	Total	

if better fastness is required indigo fixing agent can be added 5-20 parts.

paste coating recipes

Parts	chemical	comment
X	paste preparation	compound product
Y	DenimBlu ^{coat}	amount depends on depth of coating required
1000	total	

if better fastness is required indigo fixing agent can be added 5-20 parts.
if the viscosity is too high water can be added.

technical details for both foam and paste

dry 100°C
cure 150°C 90 sec.



printing recipe for acrylic paste

parts	Chemical	comment
X	Water	
5	e.g. Kollasol CDO	defoamer
80 – 200	acrylic binder	amount depends on balance of fastness/handle
10	e.g. Tubicoat emulgator HF2	emulsifier
Y	DenimBlu ^{coat}	amount depends on depth of coating
10 – 25	e.g. Tubicoat ASD	Thickener – amount depends on viscosity required
1 – 20	ammonia 25%	pH 8.5 required
10 – 30	Softener	(20-50 parts) handle dependent
1000	Total	

if better fastness is required indigo fixing agent can be added 5-20 parts.

physical properties of the printing paste:

viscosity: 60 dPas
pH: > 8.0
dry 100°C
cure 150°C 90 sec.



printing recipe for polyurethane paste

parts	chemical	comment
X	water	
5	e.g. Kollasol CDO	defoamer
80 – 200	PU binder	amount depends on balance of fastness/handle
10	e.g. Tubicoat emulgator HF2	emulsifier
Y	DenimBlu ^{coat}	amount depends on depth of coating
10 – 25	e.g. Tubicoat ASD	Thickener – amount depends on viscosity required
1 – 20	ammonia 25%	pH 8.5 required
10 – 30	Softener	(20-50 parts) handle dependent
1000	Total	

If better fastness is required indigo fixing agent can be added 5-20 parts.

physical properties of the printing paste:

viscosity: 60 dPas
pH: > 8.0
dry 100°C
cure 150°C 90 sec.



contact

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