



Denim**Blu**flare

vibrant interpretation of indigo
with a brilliant flare.

trending shade.

indigo wash down
characteristics.

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BLU**CONNECTION**
people. passion. projects.



dyeing with DenimBlu^{flare}

pretreatment

25	g/L	NaOH 50%
3.0	g/L	wetting agent
2.0	g/L	chelating agent

60 to 80°C
followed by hot and cold rinse

dye bath

40	g/L	Glauber's or common salt
20.0	g/L	NaOH 50%
3.0	g/L	hydrosulfite
2 - 5	g/L	DenimBlu ^{flare} (added as stock vat)
1.0	g/L	wetting agent
2.0	g/L	dispersing agent, liquid form
2.0	g/L	chelating agent

dyeing

50°	C	dyeing temperature
12	sec	immersion time
4	dips	
pH 12.0 measured at 50°C		

1 x rinse at room temperature with overflow

1 x oxidation at 60°C with

1.0	g/L	hydrogen peroxide 50%
1.0	g/L	acetic acid 60%
pH 5.5 to 6.0		

2 x rinse at 60°C with counter flow



TECHNICAL DATA SHEET

please note

that due to the lower solubility of DenimBlu^{flare} compared to indigo it is advisable to occasionally agitate the stock vat.

that DenimBlu^{flare} is sensitive to light. Dyeing and especially airing section should not be exposed to direct light.

replenishing

example:

Nm 12, 4000 ends, 25 m/min, 2% dye application, 4 dips

amount of substrate:	4,9 kg/min
stock vat feed rate	2.2 L/min

dye consumption:	$4,9 \text{ kg/min} \times 2\% = 98 \text{ g/min}$
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chemical consumption:	
caustic soda 50% =	900 g/min
hydrosulfite =	150 g/min

replenishing liquor (stock vat):

45.0	g/L	NaOH 50%
1.0	g/L	wetting agent
2.0	g/L	dispersing agent, liquid form
2.0	g/L	chelating agent
45	g/L	DenimBlu ^{flare}
25.0	g/L	hydrosulfite

reduce for 1 hour before use, heating is not required.

stock vat needs to be agitated for 10 sec every 5 minutes. This is preferably achieved applying an asymmetric timer.



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