

Novel effects with sodium hypochlorite on denim

Using Nofelding DP 773 Y08
and/or Nearbleach VE

The logo for Nearchimica features a stylized green line graph on the left that transitions into the word "Nearchimica" in a dark blue, sans-serif font. The "Near" is in a lighter green color, and the "chimica" is in a darker blue. The entire logo is set against a light blue background with a subtle grid pattern.

Nearchimica

Nofelding DP 773 Y08

Nofelding DP 773 Y08 is a glyoxal resin that can be used for fixing of permanent wrinkles and 'whiskers' in denim garments.

At the same time, it can be used to produce a discharge reserve effect because the finish given by **Nofelding DP773Y08** and catalyst **Katalin DP774Y08** is so resistant to hypochlorite bleaching.

After bleaching with:
30 ml/l sodium hypochlorite 14-15%
1 g/l sodium carbonate
at 30°C for 15 minutes

NOFELDING DP 773 Y08 200 g/l
KATALIN DP 774 Y08 40 g/l
applied here by spraying

untreated area

Denim fabric
at start



Nearbleach VE

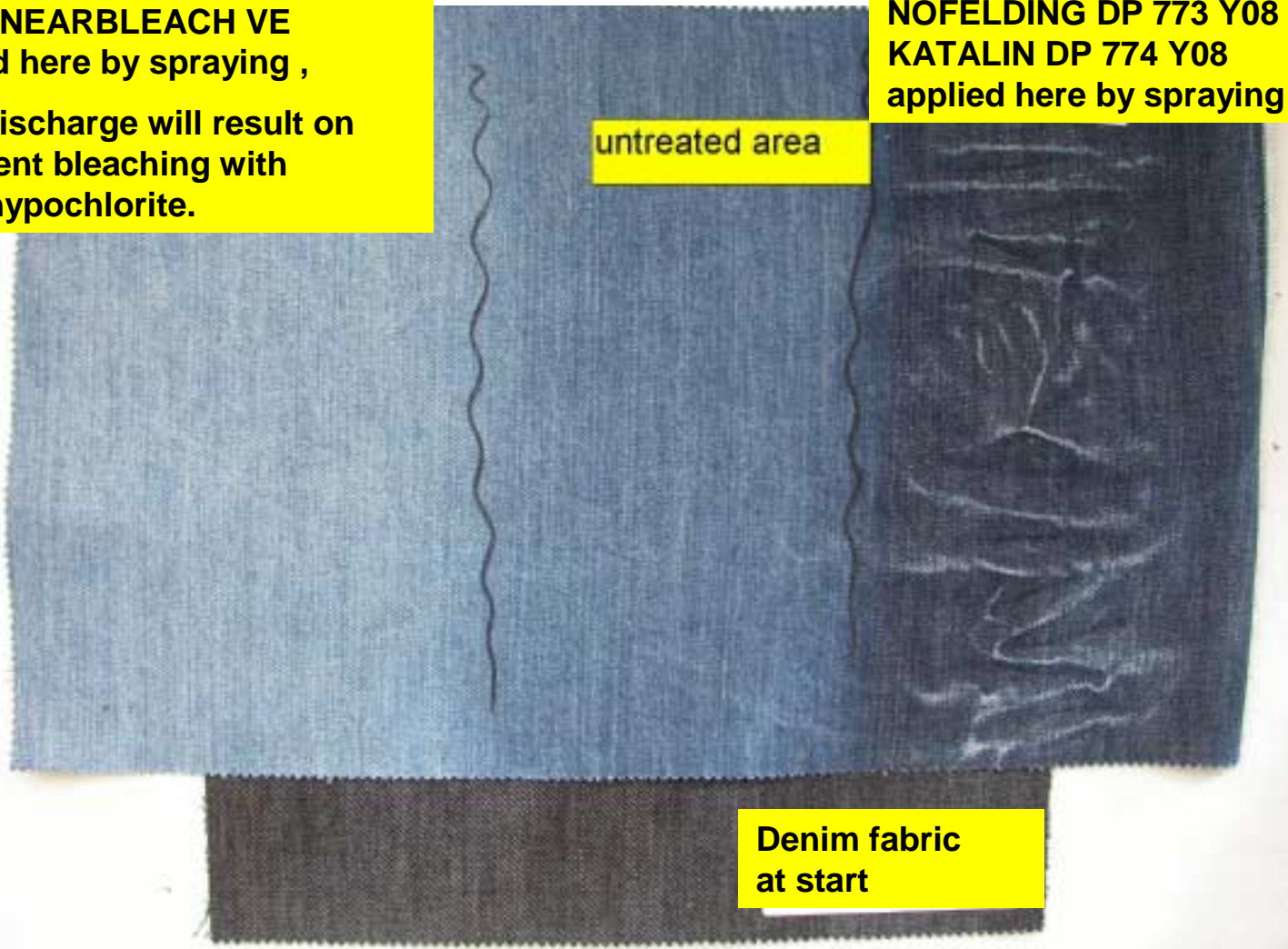
– bleach activator

If 200 g/l NEARBLEACH VE is applied here by spraying, EXTRA discharge will result on subsequent bleaching with sodium hypochlorite.

NOFELDING DP 773 Y08 200 g/l
KATALIN DP 774 Y08 40 g/l
applied here by spraying

untreated area

Denim fabric
at start



Chlorine resist where Nofelding DP 773 Y08 has been applied

NOFELDING DP 773 Y08
applied to denim fabric by
coating.

The smaller piece has then
been subjected to
hypochlorite bleaching.



Different effects



Nofelding DP773Y08
+ Katalin DP774Y08
applied by spraying
all over –
then double bleached



The combination of **NOFELDING DP773 Y08** and **KATALIN DP774 Y08** (dedicated catalyst) gives a permanent wrinkle effect that resists a hypochlorite bleach. The areas where the resin is printed or sprayed stay darker.

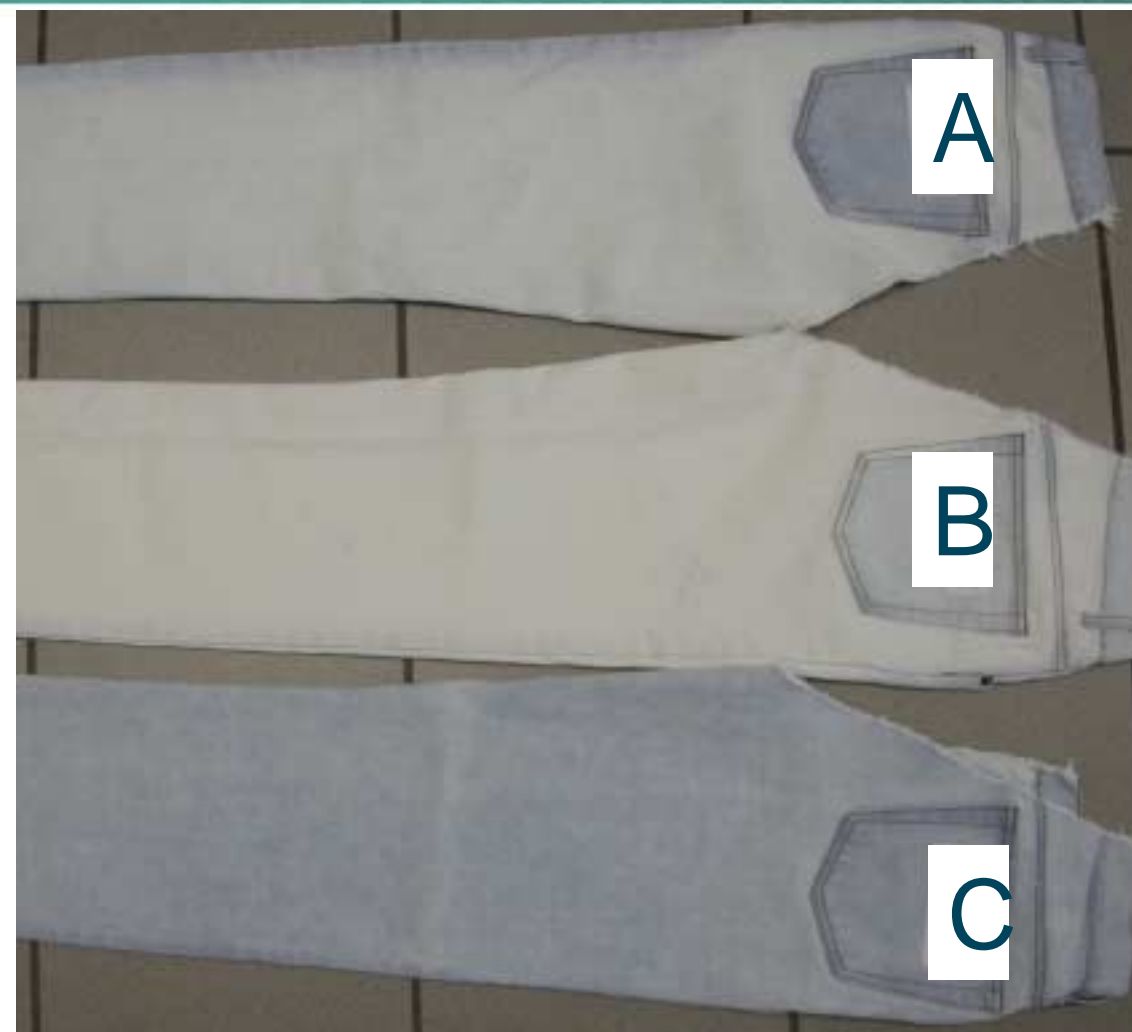
Using NEARBLEACH VE on the same fabric (in different areas), interesting contrast effects can be obtained



**Garments were sprayed with:
100 g/l NOFELDING DP 773 Y08
and 20 g/l KATALIN DP 774 Y08
dried, cured, scraped, double
bleached with 30 ml/l sodium
hypochlorite for 30 minutes.**



Nearbleach VE as chlorine bleaching booster



To show effectiveness of NEARBLEACH VE three identical legs of scoured denim jeans have been treated as follows:

A) sprayed inside-out with 100g/l NEARBLEACH VE, dried at 60°C, bleached with 20 ml/l sodium hypochlorite 14-15% at 40°C for **15 mins**.

B) sprayed inside-out with 100g/l NEARBLEACH VE, dried at 60°C, bleached with 20 ml/l sodium hypochlorite 14-15% at 40°C for **45 mins**.

C) not sprayed, only bleached with 20 ml/l sodium hypochlorite 14-15% at 40°C for **45 minutes**.

Where NEARBLEACH VE has penetrated from inside to outside part of fabric (except pockets, sewing, doubled fabric, etc) the bleaching effect is higher.