



# @volve

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## Tips of the MONTH

“ Losers live in the past. Winners **LEARN** from the past and **ENJOY** working in the present toward the future.”

Denis Waitley

FAILURE IS ONLY THE OPPORTUNITY TO BEGIN AGAIN MORE INTELLIGENTLY

~ Henry Ford

**A GOOD LISTENER IS A SILENT FLATTERER.**

~ Proverb

**It takes 20 years to build a reputation and five minutes to ruin it. If you think about that, you'll do things differently.**

Warren Buffett



Education is a progressive discovery of our own ignorance.

~ Will Durant



# Pigment Printing



In the technique of Pigment printing all the pigments are applied on the surface of the fabric usually, so there effects are mostly one sided, the other side used to have the shadow or the impression of the print. In pigment printing only one side is fully printed the other side just may have a little impression but not have the same printing design.

In reactive printing method fabric has the same printing on the both sides as the dye particles in the print paste make a bond with the fiber. This method is best fit when we need same printing on both sides of the fabric.

Pigment printing has gained much importance today and for some fibers (e.g. cellulose fibers) is by far the most commonly applied technique. Pigments can be used on almost all types of textile substrates and, thanks to increased performance of modern dyeing auxiliaries, it is now possible to obtain high-quality printing using this technique.

## Pigment Printing Recipe:

Pigment.....x gm  
Binder.....130 gm  
Fixer......05 gm  
Thickener.....15-20 gm  
Water.....to make 1 Kg

## Pigment Printing Process:

### Pre-Treatments

↓  
**Printing**(with binder and fixer)  
(Roller/Rotary printing)

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**Drying**(90-100%/110-120°C)  
(Dryer)

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**Curing**  
(Cotton 140-160°C/110-120°C 3-5 min)  
(Polyester 160-220°C 30-60s)  
(Stenter)

# Advantages of Pigment Printing:

The advantages of pigment printing are well known and the process has grown in popularity worldwide in recent years as it offers several advantages over other styles of printing. These include brilliant prints with high light fastness, ease of application in color matching, flexibility in its applicability to natural and synthetic fibers and avoidance of the final wash off resulted in a complete elimination of any effluent disposal problems.

- Applicable to natural and synthetic fiber.
- Pigment printing is most economical printing process and allows maximum output of goods because of the elimination of washing off, quick sampling and high printing speeds.
- The advantage of pigment printing is that the process can be done without subsequent washing.
- Simple Application
- Simple technical process without wet after treatment
- Little requirements for machinery equipment
- Mistakes in pigment printing can be recognized quickly.
- Pigment printing presents the fewest problems for the printer of all coloration process, with respect to labour costs, equipment and reliability of production.
- Progress in quality of pigment printing
- New synthetic polymers Good fastness properties, soft handle

# Disadvantages of Pigment Printing:

- Not controllable for the binder film.
- Handling properties of the pigment printing is rough because of having excessive cross linking agents.
- Creates problem on the roller printing because of the bulky products and more engraved rollers.
- It is not possible to apply it directly on the fabric. Binder must be used to apply the pigment dye on the fabric. Thus, a coat is created on the surface of the fabric.
- During second time printing it has very low effect that is not desirable.
- When pigments are over printed the second paste has little effect.
- Wet and rubbing fastness is average.

# Application of Pigment Printing:

Uses of Pigment printing is wide range. The garments of the women which are made by cotton, polyester or viscose blends are printed by pigments if the medium color depths are needed. Decorative curtain, towels are printed by pigments. Pigment printing also used in bed linen, aprons, children's garments, night wear dresses, various cottons and cellulose materials.



## DENIM EFFECTS: "SUNSTRUCK"

by albena - <http://csicolorworld.com/blog/denim-effects-sunstruck>

# DENIM EFFECTS: "SUNSTRUCK"

I am not one of the people who will get excited about a specific garment and shopping is not one of my passions, but if I see something that I like it will become an obsession. There are things that immediately appeal to me – it could be a pair of shoes, print on a garment, beautiful color or, like in this case, a pair of jeans. When I find something that I like I am no different than most of you – I would like to share it. When I saw this jean it was a love at first sight. I wished it was something that I would have thought about and created. The fit, the feel and the look was so "right" for me. The perfect summer jean!



As we all know the vintage look has become a fashion fad. The idea of something that carries the touch of time, the worn look that makes the garment look like it has a story to tell, it is so appealing to me. This jean with its yellow tint and worn look was making me think about summer and the mountains. It looked like it came right out of a young archeologist backpack, after a research trip to Machu Picchu.

If you don't mind, can I be a little technical and tell you how this effect is done? First you need to pick jeans that are made from lightweight fabric, appropriate for the hot summer days. Then some fading is needed so you can achieve lighter shade. You can do this by bleaching the garment. The lighter the starting shade is, the better – you will need less bleach to lighten the jeans. Additional fading can be done by spraying potassium permanganate; usually this is done in areas as the thighs and the rears for more natural effect. The pockets and the hem can be pre-abraded. When you are satisfied with the overall effect, you can achieve different color appearances with a process called tinting. For this process you will need the appropriate dye. Use smaller concentrations for a more settled look or you can go more extreme in the appearance with higher concentrations.

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**As a result your jeans will look beautifully “aged”.**



I think this “sun struck” effect on the jeans will go perfectly with our [“Sunflowers”](#) color palette. You can complete the overall look with a necklace or bracelets made from natural fibers and shells.

We offer training how to achieve trendy wash effects on denim and special dyes for denim that can be used for those effects on colored denim. Find out more about our [Lava programs](#).

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