

Tampa® Tex TPX for Textiles

Direct printing instead of transfer or sew-in labels

Pad
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As pad printing ink for the textile sector, Tampa® Tex TPX is characterized by excellent opacity, good flexibility, best resistance against washing and ironing, compliance with the strict standards in the textile industry, and not least by enormous savings compared to the heat-transfer process.

Wash and ironing resistance

Direct prints achieve about 10 times the wash resistance compared to transfer labels - provided you let the prints dry for **at least 48 hours** before washing so the ink can finish crosslinking.

The second component to be used is **Hardener HX** with a mixing ratio of **5:1**. HX is **xylene-free** and meets the safety requirements of the textile industry. For maximum adhesion and resistance, the pot life of 6-8 h of the ink/hardener mixture must be observed.

Preliminary tests are essential as the fabrics are often chemically pre-treated which might impair the resistance against washing.

Clichés

All commercially available clichés made of photopolymer (35-50 µm), ceramic, thin steel, and hardened steel (thickness 10 mm) can be used. The recommended cliché depth for ceramic, thin steel, or hardened steel clichés is approx. 30 µm.

A uniform cliché depth ensures consistent quality. Laser engraved clichés have particularly proved themselves because the cliché depth can be controlled precisely. Therefore, it is easy to produce several clichés with highest accuracy for exact reproductions.

Last but not least you save plenty of time since no films are needed and designs can be changed quickly.

Comparison to heat-transfer labels

Direct printing reduces the costs compared to transfer labels by at least **30 - 50 %**. The method is user-friendly, energy-saving, and the ability to change the design quickly offers highest flexibility.

Comparison	
Tampa® Tex TPX	Transfer Labels
0,0006 € / print	Large runs: 0,01 € / pc. Small runs: 0,07 € / pc.
Approx. 1000 prints / h	Approx. 400 labels / h
Quick design changes	Long lead times
Comfortable to wear	Labels can cause skin irritations and allergic reactions
Low additional costs for energy and air	High energy costs for transfer press

In the event of any queries, please contact

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