

# Unitex® squeegees printing for the long run

## Unitex® Marathon

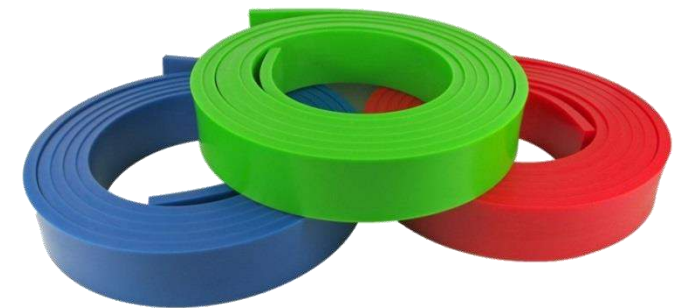
### Textile screen printing

Unitex® Marathon provides premium screen printing performance and quality at a competitive price.

It is made from MDI (Diphenylmethane Diisocyanate) technology, and is designed to give superior resistance to degradation by commonly used inks, solvents and monomers used in modern printing processes.

#### Benefits:

- Compatible with most textile inks – delivers the definition your printing demands
- Resistant to solvents used in modern ink systems - long predictable print runs \*
- Precision printing edge – pin sharp reproduction
- Excellent abrasion resistance - last print as good as the first print
- Made from high grade polyurethane - compatible with a wide range of inks and systems
- Tight manufacturing tolerances - minimal set up and re-set up times
- Consistent Durometer - keeping your colors strong and vibrant
- High degree of inspection - your last squeegee in stock won't let you down
- Trelleborg Expertise - high performance, long squeegee life and outstanding value



#### Durometer/Color Coding:

Tolerance: +/- 3° Shore A

65°	70°	75°	80°
ORANGE	RED	GREEN	BLUE

**Softer Squeegee**  
More ink, richer colours

**Harder Squeegee**  
Less ink, greater detail

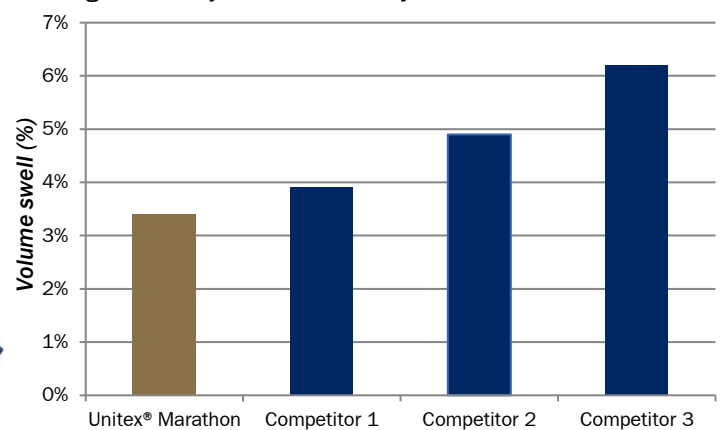
#### Profile:

- Single Durometer
- Multi Durometer



#### \* Squeegee Solvent Swell Test

80 Shore A Single Durometer Volume Swell Test in High Intensity White UV Ink System



Immersed in ink for 4 hours - complete test report available on request





# Textile screen printing

Unitex® Marathon is suitable for screen printing on most textile substrates – decorative or personalised Printing

## Textile Printing Applications:

- Automatic flat screen
- Semi-automatic screen
- Rotary screen
- Hand printing

## Typical Ink Systems:

- Plastisol
- Soft hand plastisol
- Water based
- Water based discharge

## Technical Recommendations:

- Unitex® Marathon can cope with intricate designs on silk through to durable bold prints on a wide range of fabric-based substrates
- Textiles such as T-shirts often require a large amount of ink deposited, so a softer squeegee is required - such as Unitex® Marathon 65° Shore A
- For finer meshes, increase the hardness of the squeegee to reduce ink deposited and increase detail - for example Unitex® Marathon 80° Shore A

## Unitex® Marathon exceeds the performance of similar squeegees on the market



## Technical Data:

Dimensions	Plain Section	Tolerance
Length	Up to 3750mm (147")	+/- 10mm
Width	15 - 50mm (0.6 - 2")	+/- 0.5mm
	50 - 100mm (2 - 4")	+/- 1mm
	100 - 610mm (4 - 24")	+/- 5mm
Thickness	Up to 12.5mm	+/- 0.4mm
Type	Hardness	Tolerance
Unitex® Marathon	60° - 90° Sh A in 5° Increments	+/- 3° Shore A

Available in different profiles, hardnesses and sizes on request.

## Case study

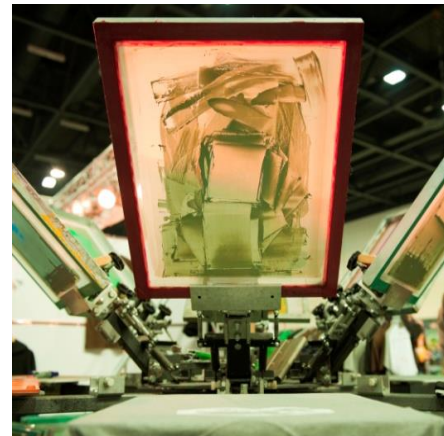
Large volume garment textile printer.

## Objectives:

Cost saving without compromising quality.

## Outcome:

- Better purchase price
- Improvements in print quality and accuracy
- Extended print runs
- Excellent quality - Zero rejects



## Comments from the Production Manager:

'We replaced our existing squeegee, which was from one of the major squeegee manufacturers, with Unitex® Marathon. It has exceeded our expectations in both cost savings as well as significant improvements in quality.'



## Contact Us

Trelleborg Applied Technologies delivers innovative and reliable solutions that maximize business performance to meet your needs. Our dedicated and highly skilled staff are always on hand to provide seamless process support from initial idea, through to delivery and beyond.

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