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Technical Heat Transfers

*Following images are just examples and are not intended for sale

General Characteristics

Presentation

(support)

Presented on a transparent film allows 100% quality inspection, perfect visualization and the correct placing of the motif before application.

Dimensions

(useful printing area)

Up to 670x1000mm

REF (Reflective) quality up to 460x650mm

Colours

"Base colours chart" available combined with our colours mixing system allows to match desired PANTONE colours with high accuracy.

No limits on number of colours.

Recommendations

Storage

- Stock in a dry place, without dust and preferably with controlled temperature.
- Do not expose to direct solar light or other heat sources.
- Do not stack with weight.
- In normal conditions recommended durability to apply a transfer is one year from its production.

Tests

- It is recommended to perform tests over the materials to be used.
- HELIOTEXTIL is available to perform tests.

Responsibility

- HELIOTEXTIL recommends application conditions and will not take any responsibility for the transfer application by the client.
- HELIOTEXTIL assumes that before formulating the order and before using the products, the client validated the requirements of intended end use.



HELIO SS

Super Stretch

Main Characteristics

- High elasticity
- Smooth
- Resistant
- Low temperatures application

Indicated Bases

Wide variety of materials: natural fibers (cotton), leather, synthetic fibers (polyester, polyamide-elastane), with high elasticity, sensitive to high temperatures.

Recommended Use

- Suits almost all textile materials.
- Sportswear, underwear, bathwear, etc.

Application conditions

- Temperature 120-160°C
- Time 8-14 sec.
- Pressure 3-6 Bar
- Removal Point: Hot peel.REF (Reflective) finishing removal point: Cold Peel

Washing Instructions



HELIO VR

Very Resistant

Main Characteristics

- Very good resistance to friction
- Washing up to 90°C

Indicated Bases

Polyester, Cotton or mixtures.

Recommended Use

- Workwear
- Industrial laundry

Application conditions

- Temperature 150-190°C
- Time 10-14 sec.
- Pressure 6-7 Bar
- Removal Point: Hot peel.REF (Reflective) and BM (Bright matte) finishings removal point: Cold Peel.

Washing Instructions



HELIO CP

Coated Products

Main Characteristics

- Suitable for coated materials only, and special finishings.
- Low temperatures application

Indicated Bases

Coated materials, special finishings like repellants, PU, PVC.

Recommended Use

- Rainwear and seawear (fishing, sports)
- Special coated products

Application conditions

- Temperature 120-130°C
- Time 10-12 sec.
- Pressure 3-4 Bar
- Removal Point: Cold peel.REF (Reflective) finishing removal point: Cold Peel

Washing Instructions





HELIO PLUS

Polypropylene Supports

Main Characteristics

- Elasticity
- Smooth
- Resistant
- Very low temperatures application

Indicated Bases

Mainly polypropylene, high sensitivity to temperature.

Recommended Use

- Suitable for polypropylene materials.

Application conditions

- Temperature 100-120°C
- Time 12-18 sec.
- Pressure 3-4 Bar
- Removal Point: Warm Peel

Washing Instructions



HELIO VRF

Flame Retardant

Main Characteristics

- Resistance to heat and flame
- Very good resistance to friction
- Washing up to 90°C

Indicated Bases

Polyester, Cotton or mixtures.

Recommended Use

- Workwear
- Firewear
- Industrial laundry
- Motorsports

Application conditions

- Temperature 180-200°C
- Time 12-16 sec.
- Pressure 6-7 Bar
- Removal Point: Hot peel. REF (Reflective) finishing removal point: Cold Peel.

Washing Instructions



HELIO SP

Sports

Main Characteristics

- Anti-Migration
- Good Stretchability
- Resistant

Indicated Bases

Wide variety of materials: natural fibers (cotton), leather, synthetic fibers (polyester, polyamide-elastane), with high elasticity, sensitive to high temperatures.

Recommended Use

- Textiles with bleeding problems:
 - Low color fastness to heat.
- Sportswear

Application conditions

- Temperature 140-160°C
- Time 10-14 sec.
- Pressure 4-6 Bar
- Removal Point: Hot peel or Cold Peel available upon demand.

Washing Instructions





HELIO REF

Reflective

Main Characteristics

- High visibility
- Stretchability (SS characteristic)
- Resistant (VR characteristic)
- Coated products (CP characteristic)
- Low temperatures application

Indicated Bases

Wide variety of materials: natural fibers (cotton), leather, synthetic fibers (polyester, polyamide-elastane), with high elasticity, sensitive to high temperatures.

Recommended Use

- Suits almost all textile materials.
- Sportswear, underwear, bathwear, etc.

Application conditions

- For temperature, time and pressure follow indicated qualities- SS, VR, or CP
- Removal Point: Cold Peel.

Washing Instructions

- Follow indicated qualities SS, VR or CP.



HELIO SIL

Silicone Transfers

Main Characteristics

- Stretchable with good recovery
- High anti-slip
- Soft and comfortable feel

Indicated Bases

Wide variety of materials: polyester, polyamide-elastane.

Recommended Use

- Sportswear
- Fashion

Application conditions

- Temperature 150°-160°c
- Time 20-25 sec.
- Pressure 4 Bar
- The transfer reaches its maximal resistance 36 hours after its application.

Washing Instructions



HELIO SD

Super Digital

Main Characteristics

- High definition printing

Indicated Bases

Natural fibers (cotton)

Recommended Use

- Promotional
- Decorations

Application conditions

- Temperature 150-160°c
- Time 14-16 sec.
- Pressure 4-5 Bar
- Removal Point: Warm Peel

Washing Instructions



Finishings



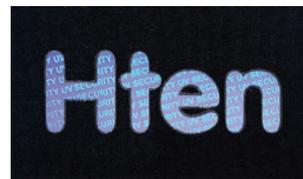
Sports (SP)



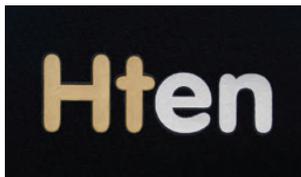
Reflective (REF)



Embroidery (EB)



Ultraviolet (UV)



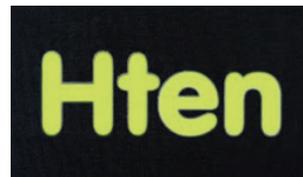
Metallic (MET)



Glitter (GL)



Fluorescent (FLU)



Glow in Dark (GD)



Breathable (BTH)



Bright Matt (BM)



Pearlscent (PER)



High Definition (HD)

Application Procedures



Positioning

Place the motif (heat transfer) on the desired position over the textile material.

Application

Use a reliable heat press with accurate control of temperature, pressure and time.

For more information consult our Heat Press offer bellow.

Conditions

Follow the recommended application conditions of each quality for the best results.

Recommendations

The textile support should be clean before application.

To improve final result it is recommendable to Pre-Press the textile support or use a Protection layer between the heat source and the support (paper for instance).

Heat Presses

Offer of different heat press models with customization options.



Demo Video



Presentation

Certified Heat Transfers

Our Heat Transfers are tested to ensure high reliability on quality and performance according to the main textile standards. Results of tested norms are available upon demand.





HELIOTEXTIL, S.A.
Rua dos Açores nº 158
3700-018 S. João da Madeira - PORTUGAL
Tel.: +351 256 201 100
geral@heliotextil.com
www.heliotextil.com

