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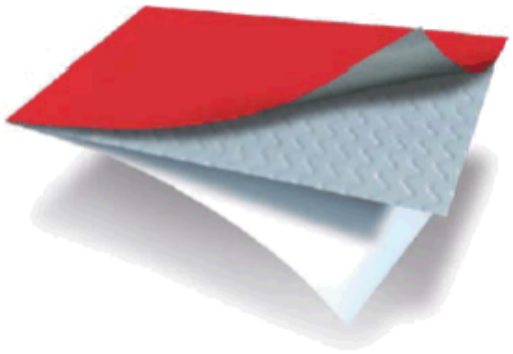
Fasson ®

TRANSFER PET SILVER CR S8015-BG42WH FSC



TRANSFER PET SILVER CR	
S8015	
BG42WH FSC	

Facestock

A silver metallised polyester film with a matt topcoat designed to receive the Ricoh B110CU thermal transfer ribbon for extreme chemical resistance.

Basis Weight	75 g/m²	ISO 536
Caliper	55 µm	ISO 534

Adhesive

S8015 is a high strength permanent acrylic adhesive featuring high initial tack, adhesion and shear.

Liner

BG42 white, a supercalendered glassine paper.

The liner is made from FSC® certified paper (FSC Mix Credit, chain-of-custody number: CU-COC-807907, Licence Code: FSC-C004451).

Basis Weight	63 g/m²	ISO 536
Caliper	56 µm	ISO 534
Transparency	50 %	DIN 53147

Laminate

Total Caliper	143 µm±10%	ISO 534

Performance Data

Initial Tack	25 N/25mm	FTM 9 Glass
Peel Adhesion 90°	14 N/25mm	FTM2 st.st.
Min. Application Temp.	7 °C	
Service Temperature	-40 °C to 150 °C	
Adhesive Coat Weight	32 g/m²	FTM12
Adhesive Type	Solvent Acrylic	

Adhesive Performance

The high tack, high coat weight adhesive S8015 is used for difficult substrates, including low surface energy plastics and coatings. It features high chemical and temperature resistance.

Applications and Use

This product is specially designed for labeling durable goods where resistance to extremely aggressive chemicals is required. The facematerial has been specifically engineered to accept the Ricoh B110CU ribbon and stay anchored even when exposed to chemicals such as Isopropyl alcohol (IPA), acetone and gasoline. The main area of application for this product is automotive and industrial labeling where prolonged exposure to aggressive chemicals is expected.

This product is used when an adhesive combining high adhesion on difficult substrates combined with high chemical and temperature resistance is required. Typical application areas include labels in the automotive industry.

Conversion and Printing

This material is designed to accept thermal transfer print using the Ricoh B110CU ribbon. It can be printed by conventional roll label techniques, such as flexo, UV letterpress, silkscreen. Specific testing is recommended. For easy diecutting sharp corners should be avoided.

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Compliance and Approvals

This product is UL and C-UL recognized (UL 969, CSA C22.2 No. 0.15). The UL file number is MH27538.

Shelf Life

To obtain optimal performance, use this product within two years of the date of manufacture, under storage conditions as defined by FINAT (20-25°C; 40-50%RH). Prolonged storage outside these conditions might reduce the shelf life.

Appendix

UL and CSA recognition

This product meets the requirements as stated in UL 969 and CSA C22.2 No. 0.15 for indoor use.
The UL file number is MH27538. For specific information on approved conditions, see appendix.

Performance Data

Note: the following technical data should be considered representative or typical only and should not be used for specification purposes.

Peel Adhesion:

FTM1: 180°, 300 mm/min, dwell time: 48 hours

Surface	N/25mm
ABS	7,5
Aluminium	8,0
Automotive lacquered panels	8,0
Glass	8,0
HDPE	8,0
LDPE	7,5
PA6	8,0
Stainless Steel	8,0

Chemical Resistance:

The performance results are based on 4 hours immersions at room temperature unless otherwise noted. Samples were applied to the test panel and conditioned for 24 hours before immersion and evaluated immediately upon removal. Peel adhesion was measured according to FTM1.

Chemical	Test Substrate	N/25mm	Visual appearance	Edge Penetration
Ad Blue	Aluminium	6,7	No change	0 mm
Biodiesel	Glass	6,3	No change	2 mm
Bioethanol E85	Glass	8,0	No change	0 mm
Brake Fluid	Glass	7,8	No change	1 mm
Diesel	Glass	8,5	No change	0 mm
Engine Oil	Glass	4,8	No change	3 mm
Gasoline	Glass	5,0	No change	3 mm
Heptane	Glass	7,8	No change	0 mm
Water, distilled	Aluminium	6,7	No change	0 mm

Chemicals: Ad Blue: Aral, Bioethanol E85: CropEnergies CropPower85, Brake Fluid: DOT 4 Synthetic (One Way)
Diesel: TOTAL, Engine Oil: TOTAL quartz 700, 10 W 40, Gasoline: TOTAL Euro 95

Appendix

Thermal Transfer Printing:

Printability – Physical Resistance

Flat head printers (tests were performed with the printer Zebra XII 140):

Ribbon	Settings speed	energy	Print Quality	ANSI Grade	Scratch resistance	Tape resistance
Ricoh B110CU	4	25	++	B	++	+

ANSI (American National Standards Institute) Grade: information about barcode quality
A: excellent B: good C: acceptable D: readable with difficulty
++: excellent +: good o: acceptable -: poor

Chemical Resistance

The material was printed with the TT ribbon Ricoh B110CU. Printed samples were rubbed 500 times (250 double strokes) with a 200 grams weight covered by a cotton fabric soaked in the solvent. Visual examination took place.

Chemical	Number of double strokes	Fading of print	Performance
Ethanol	250	No change	+++
IPA	250	No change	+++
Gasoline SP95	250	Fading starts after 85 double strokes	++
Diesel	250	No change	+++
Brake fluid	250	No change	+++
Engine oil	250	No change	+++
Windshieldwasher	250	No change	+++
MEK	250	Fading starts after 185 double strokes	++
Xylene	250	No change	+++
Toluene	250	No change	+++
Acetone	250	No change	+++
Hexane	250	No change	+++

Appendix

Compliance Data

UL – Underwriters Laboratories (UL 969, Category PGJI2)

File Number: MH27538, Category PGJI2

This material is UL recognized for indoor use where exposed to high humidity or occasional exposure to water.

Application Surface	Max Temp (°C)	Min Temp (°C)
Acrylic paint	150	-23
Acrylic powder paint	150	-23
Alkyd paint	150	-40
Aluminum	150	-40
Epoxy paint	150	-40
Epoxy powder paint	150	-23
Galvanized steel	150	-40
Polyester paint	150	-23
Polyester powder paint	150	-23
Polyurethane powder paint	150	-40
Porcelain	150	-40
Stainless steel	150	-40
Unsaturated polyester - thermoset	150	-23
Phenolic - Phenol Formaldehyde	100	-23
Polycarbonate	100	-23
Nylon - Polyamide	80	-23
Polyphenylene oxide/ether	80	-23
Acrylonitrile butadiene styrene	60	-23
Polyethylene	40	-
Polypropylene	40	-
Polystyrene	40	-23
Polyvinyl chloride	40	-

The UL certification includes the printing with the following thermal transfer ribbon:

Ricoh B110CU

CSA – Canadian Standards Association

UL has tested this product according to the requirements described in CSA C22.2 No. 0.15.
This product is C-UL recognized for indoor use.
The details are listed in the UL file number MH27538, Category PGJI8.

Group	Application Surface	Max. Temperature (°C)
Metals	Bare, plated, painted or enamelled steel or aluminium	+150

The C-UL certification includes the printing with the following thermal transfer ribbon:

Ricoh B110CU

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Warranty
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