Marabu

# Paragon Inks Product Guide 2018
2nd edition

# Marabu Scandinavia

# Partner in Perfection

Marabu Scandinavia is a wholly owned subsidiary of Marabu GmbH & Co., one of the world 's leading manufacturer of printing inks for digital , screen and pad printing. Marabu Scandinavia has offices in Malmö, Stockholm , Gothenburg, Vejle, Oslo and Helsinki. Our philosophy is to be close to the customer to be able to help with service and expertise in digital , screen , pad and UV flexo. The majority of our customers are in industries where quality, excellence , and reliability are obvious ingredients of a relationship between customer and supplier. Therefore, we have built an organization with stock and service at several places in Scandinavia to quickly deliver an order. We have departments for color mixing, stretching and flat and cliché manufacture so that the customer can get supplies tailored to their individual needs without delay. Last but not least , a well-trained staff with extensive experience of these printing methods.

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PARAGON INKS

GLOBAL INK SPECIALISTS

# NEW HORIZONS PRODUCT GUIDE

## 2nd Edition 2018

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THE QUEEN'S AWARDS FOR ENTERPRISE: 2014

INVESTOR IN PEOPLE

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**Please note that this is not an exhaustive list of the products in our range.**

**If you need something that is not listed here please call us to discuss your requirements.**

**This guide is produced annually and is representative of our most up to date products at the time of publishing.**

**UV FLEXO LUNA RANGE**
**Complies to the EuPIA Exclusion Policy**
**(Benzophenone, ITX and BDK Free)**

| 4 Colour Process Set | Lite | Standard | Strong |
|---|---|---|---|
| Pantone Process Yellow | YF0015 | YF0005 | YF0007 |
| Pantone Process Magenta | RF0015 | RF0005 | RF0007 |
| Pantone Process Cyan | CF0015 | CF0005 | CF0007 |
| Pantone Process Black | BF0015 | BF0005 | BF0005 |

| Base Colour Palette | Code |
|---|---|
| Pantone Yellow | YF0001 |
| Mixing Orange | YF0002 |
| Pantone Warm Red | RF0002 |
| Pantone 032 Red | RF0004 |
| Pantone Rubine | RF0001 |
| Pantone Rhodamine | RF0003 |
| Pantone Purple | CF0003 |
| Pantone Violet | VF0001 |
| Pantone 072 Blue | CF0004 |
| Pantone Reflex Blue | CF0002 |
| Pantone Process Blue | CF0001 |
| Pantone Green | GF0001 |
| Pantone Mixing / Untoned Black | BF0002 |
| Tinting Medium | TF0001 |

| Spot Colour Palette | Code |
|---|---|
| Pantone 021 Orange | YF0004 |
| Spot 032 Red | RF0014 |
| Pantone Dark Blue | CF0006 |
| Intense Green | GF0011 |
| Pink | RF0006 |

A full 369 free LUNA range is available.

Please visit our website or contact us directly for the TDS information sheet, which contains technical information and printing recommendations.

**UV FLEXO AURA RANGE**
**FPC (Food Packaging Compliant) / MC (Migration Compliant) ink range**
**Swiss Ordinance and EuPIA guidelines for indirect food packaging compliant**

| 4 Colour Process Set | Lite | Standard | Strong |
|---|---|---|---|
| Pantone Process Yellow | YFA-15 | YFA-05 | YFA-07 |
| Pantone Process Magenta | RFA-15 | RFA-05 | RFA-07 |
| Pantone Process Cyan | CFA-15 | CFA-05 | CFA-07 |
| Pantone Process Black | BFA-15 | BFA-05 | BFA-05 |

| Base Colour Palette | Code |
|---|---|
| Pantone Yellow | YFA-01 |
| Mixing Orange | YFA-02 |
| Pantone Warm Red | RFA-02 |
| Pantone 032 Red | RFA-04 |
| Pantone Rubine | RFA-01 |
| Pantone Rhodamine | RFA-03 |
| Pantone Purple | CFA-03 |
| Pantone Violet | VFA-01 |
| Pantone 072 Blue | CFA-04 |
| Pantone Reflex Blue | CFA-02 |
| Pantone Process Blue | CFA-01 |
| Pantone Green | GFA-01 |
| Pantone Mixing / Untoned Black | BFA-02 |
| Tinting Medium | TFA-01 |

| Spot Colour Palette | Code |
|---|---|
| Pantone 021 Orange | YFA-04 |
| Pantone Dark Blue | CFA-06 |
| Intense Green | GFA-11 |
| Pink | RFA-06 |

A full 369 free AURA range is available.

Please visit our website or contact us directly for the TDS information sheet, which contains technical information and printing recommendations.

**LED FLEXO AURA RANGE**
**FPC (Food Packaging Compliant) / MC (Migration Compliant) ink range**
**Swiss Ordinance and EuPIA guidelines for indirect food packaging compliant**

| 4 Colour Process Set | Standard |
|---|---|
| Pantone Process Yellow | LEDA-Y05 |
| Pantone Process Magenta/Rubine | LEDA-R05 |
| Pantone Process Cyan | LEDA-C05 |
| Pantone Process Black | LEDA-B05 |

| Base Colour Palette | Code |
|---|---|
| Pantone Yellow | LEDA-Y01 |
| Mixing Orange | LEDA-Y02 |
| Pantone Warm Red | LEDA-R02 |
| Pantone 032 Red | LEDA-R04 |
| Pantone Magenta/Rubine | LEDA-R05 |
| Pantone Violet | LEDA-V01 |
| Pantone 072 Blue | LEDA-C04 |
| Pantone Process Cyan/Blue | LEDA-C05 |
| Pantone Green | LEDA-G01 |
| Pantone Mixing/Untoned Black | LEDA-B02 |
| Tinting Medium | LEDA-T01 |

| Spot Colour Palette | Code |
|---|---|
| 021 Orange | LEDA-Y04 |
| Pink | LEDA-R06 |

**Please note these products are made to order only and not kept in stock.**

Please visit our website or contact us directly for the TDS information sheet, which contains technical information and printing recommendations.

**Additional Information on UV Flexo LUNA Blacks**
**Complies to the EuPIA Exclusion Policy**
**(Benzophenone, ITX and BDK free)**

| Description | Code | Recommendations |
|---|---|---|
| **UV Flexo LUNA Mixing / Untoned Black** | BF0002 | Designed for use in colour matchings. It can also be used as a spot black but will have a browner, less blue finish than the Jobbing or Dense Black.<br>Recommend aniloxes up to a volume of 9.0cm$^3$/m$^2$. |
| **UV Flexo LUNA Process Black** | BF0005 | Designed as a standard and strong black for 4CP printing. Not to be used for solids at heavy volumes as cure will be affected.<br>Recommend anilox volumes of 2.0 – 5.0cm$^3$/m$^2$. |
| **UV Flexo LUNA Process/ Jobbing Black** | BF0015 | Designed as a standard black for 4CP printing. Can be used for solids at heavier volumes.<br>Recommend aniloxes up to a volume of 9.0cm$^3$/m$^2$. |

**Additional Information on UV Flexo AURA Blacks**
**FPC (Food Packaging Compliant) / MC (Migration Compliant) ink range**
**Swiss Ordinance and EuPIA guidelines for indirect food packaging compliant**

| Description | Code | Recommendations |
|---|---|---|
| **UV Flexo AURA Mixing/Untoned Black** | BFA-02 | Designed for use in colour matchings. It can also be used as a spot black but will have a browner, less blue finish than the Jobbing or Dense Black.<br>Recommend aniloxes up to a volume of 9.0cm$^3$/m$^2$. |
| **UV Flexo AURA Process Black** | BFA-05 | Designed as a standard and strong black for 4CP process. Not to be used for solids at heavy volumes as cure will be affected.<br>Recommend anilox volumes of 2.0 – 5.0cm$^3$/m$^2$. |
| **UV Flexo AURA Process / Jobbing Black** | BFA-15 | Designed as a standard black for 4CP printing. Can be used for solids at heavier volumes.<br>Recommend anilox volumes of 7.0 – 9.0cm$^3$/m$^2$. |

**Additional Information on LED Flexo AURA Blacks**
**FPC (Food Packaging Compliant) / MC (Migration Compliant) ink range**
**Swiss Ordinance and EuPIA guidelines for indirect food packaging compliant**

| Description | Code | Recommendations |
|---|---|---|
| **UV Flexo AURA Mixing/Untoned Black** | LEDA-B02 | Designed for use in colour matchings. It can also be used as a spot black but will have a browner, less blue finish than the Jobbing or Dense Black.<br>Recommend aniloxes up to a volume of 9.0cm$^3$/m$^2$. |
| **UV Flexo AURA Process Black** | LEDA-B05 | Designed as a standard and strong black for 4CP process. Not to be used for solids at heavy volumes as cure will be affected.<br>Recommend anilox volumes of 2.0 – 5.0cm$^3$/m$^2$. |

## TITANIUM WHITE RANGE

### UV FLEXO LUNA RANGE
### Complies to the EuPIA Exclusion Policy (Benzophenone, ITX and BDK Free)

| Description | Code | Recommendations |
|---|---|---|
| **UV Flexo LUNA Titanium Mixing White** | WF0001 | WF0001 is a dedicated mixing white for the LUNA range, which can be used as a low opacity first down white. |
| **UV Flexo LUNA Titanium First Down White** | W348 | W348 is a dedicated ink for first down print applications, on supported labels.<br>Recommended anilox volumes of 10-30$cm^3/m^2$. |
| **UV Flexo LUNA Titanium Flexible First Down White** | W347 | W347 is a dedicated ink for first down print applications, where a flexible ink is required.<br>Recommended anilox volumes of 8-10$cm^3/m^2$. |
| **UV Flexo LUNA Titanium Hot Melt Last Down White** | W307 | W307 is a dedicated ink for last down and reverse print applications, such as shrink sleeves and wrap-around-labelling (WARL), when a hot melt adhesive is being applied to the white ink to secure the decoration to the container.<br>Recommended anilox volumes of 8-10$cm^3/m^2$. |
| **UV Flexo LUNA Titanium Last Down White** | W334 | W334 is a dedicated ink for last down and reverse print applications, such as shrink sleeves and wrap-around-labelling (WARL).<br>Recommended anilox volumes of 8-10$cm^3/m^2$. |
| **UV Flexo LUNA Titanium Lidding First Down White** | W320 | W320 is a dedicated ink for first down print applications, on to metal based lidding material.<br>Recommended anilox volumes of 8-10$cm^3/m^2$. |
| **UV LUNA Titanium Combination White** | W354 | W354 is a dedicated ink for first down print applications, on supported labels.<br>Recommended anilox volumes of 10-30$cm^3/m^2$. |

## TITANIUM WHITE RANGE

### UV FLEXO AURA RANGE
### FPC (Food Packaging Compliant) / MC (Migration Compliant) ink range
### Swiss Ordinance and EuPIA guidelines for indirect food packaging compliant

| Description | Code | Recommendations |
|---|---|---|
| **UV Flexo AURA Opaque White** | WFA-01 | WFA-01 is a dedicated mixing white for the AURA range, which can be used as a low opacity first down white. |
| **UV Flexo AURA Titanium First Down White** | WFA-48 | WFA-48 is a dedicated FPC ink for first down print applications, on supported stocks.<br>Recommended anilox volumes of 10-30$cm^3/m^2$. |
| **UV Flexo AURA Titanium Flexible First Down White** | WFA-47 | WFA-47 is a dedicated FPC ink for first down print applications, where a flexible ink is required.<br>Recommended volumes of 8-10$cm^3/m^2$. |
| **UV Flexo AURA Titanium Hi Adhesion First Down White** | WFA-66 | WFA-66 is a dedicated FPC white for first down print applications on difficult substrates that create issues with adhesion.<br>Recommended volumes of 8-10$cm^3/m^2$. |
| **UV Flexo AURA Titanium Hot Melt Last Down White** | WFA-07 | WFA-07 is a dedicated FPC ink for last down and reverse print applications, such as shrink sleeves and wrap-around-labelling (WARL) when a hot melt adhesive is being applied to the white ink to secure the decoration to the container.<br>Recommended volumes of 8-10$cm^3/m^2$. |
| **UV Flexo AURA Titanium Last Down White** | WFA-34 | WFA-34 is a dedicated FPC ink for last down and reverse print applications, such as shrink sleeves and wrap-around-labelling (WARL).<br>Recommended volume of 8-10$cm^3/m^2$. |
| **UV Flexo AURA Titanium Lidding First Down White** | WFA-20 | WFA-20 is a dedicated FPC ink for first down print applications on to metal based lidding material.<br>Recommended volumes of 8-10$cm^3/m^2$. |

## TITANIUM WHITE RANGE

### LED FLEXO AURA RANGE
### FPC (Food Packaging Compliant) / MC (Migration Compliant) ink range
### Swiss Ordinance and EuPIA guidelines for indirect food packaging compliant

| Description | Code | Recommendations |
|---|---|---|
| **LED Flexo AURA Titanium First Down White** | LEDA-W48 | LEDA-W48 is a dedicated FPC ink for first down print applications, on supported labels.<br>Recommended anilox volumes of 10-30$cm^3/m^2$. |

**UV FLEXO LUNA LIGHTFAST RANGE**
**Complies to the EuPIA Exclusion Policy**
**(Benzophenone, ITX and BDK free)**

| 4 Colour Process Set | Code |
|---|---|
| **Lightfast Process Cyan** | CF3005 |
| **Lightfast Process Black** | BF3005 |

| Base Colour Palette | Code |
|---|---|
| **Lightfast Process/Pantone Yellow** | YF3001 |
| **Lightfast Mixing Orange** | YF3002 |
| **Lightfast Warm Red** | RF3002 |
| **Lightfast 032 Red** | RF3004 |
| **Lightfast Process Magenta / Rubine** | RF3001 |
| **Lightfast Rhodamine** | RF3003 |
| **Lightfast Purple** | CF3003 |
| **Lightfast Violet** | VF3001 |
| **Lightfast 072 Blue** | CF3004 |
| **Lightfast Reflex Blue** | CF3002 |
| **Lightfast Process Blue** | CF3001 |
| **Lightfast Green** | GF3001 |
| **Lightfast Mixing / Untoned Black** | BF3002 |
| **Tinting Medium** | TF0001 |

| Spot Colour Palette | Code |
|---|---|
| **Lightfast 021 Orange** | YF3004 |
| **Opaque White** | WF0001 |

A full 369 free AURA range is available.

Please visit our website or contact us directly for the TDS information sheet, which contains technical information and printing recommendations.

**UV FLEXO LUNA FLUORESCENT RANGE**
**Complies to the EuPIA Exclusion Policy**
**(Benzophenone, ITX and BDK free)**

| Base Colour Palette | Code |
|---|---|
| **Fluorescent 801c Blue** | LMFLC801 |
| **Fluorescent 802c Green** | LMFLG802 |
| **Fluorescent 803c Yellow** | LMFLY803 |
| **Fluorescent 804c Orange** | LMFLY804 |
| **Fluorescent 805c Red** | LMFLR805 |
| **Fluorescent 806c Pink** | LMFLR806 |
| **Fluorescent 807c Purple** | LMFLC807 |
| **Fluorescent 808c Green** | LMFLG808 |
| **Fluorescent 809c Yellow** | LMFLY809 |
| **Fluorescent 810c Orange** | LMFLY810 |
| **Fluorescent 811c Orange** | LMFLY811 |
| **Fluorescent 812c Red** | LMFLR812 |
| **Fluorescent 813c Pink** | LMFLR813 |
| **Fluorescent 814c Purple** | LMFLC814 |

| Spot Colour Palette | Code |
|---|---|
| **Bright Fluorescent Yellow** | LMFLY815 |

Product Shelf Life: 4 months

A full 369 free fluorescent range is available.

**Printing Fluorescents**
Fluorescent pigments, in general, are very weak in colour strength compared to conventional ink systems however this range has been developed with increased strength to allow lower volume aniloxes to be used.

**Fluorescent Lightfastness**
Fluorescent colours are poor for lightfastness and are estimated at Blue wool Scale 1-2. We do not recommend that the printed examples of these colours be exposed to daylight conditions.

Please visit our website or contact us directly for the TDS information sheet, which contains technical information and printing recommendations.

**UV FLEXO LUNA 1-PACK METALLICS**
**Complies to the EuPIA Exclusion Policy**

| 1-Pack Metallics | Code |
|---|---|
| **Flexo LUNA 1-Pack 871c Gold** | 1941 |
| **Flexo LUNA 1 Pack 872c Gold** | 1927 |
| **Flexo LUNA 1-Pack 873c Gold** | 1928 |
| **Flexo LUNA 1-Pack 874c Gold** | 1929 |
| **Flexo LUNA 1-Pack 875c Gold** | 1930 |
| **Flexo LUNA 1-Pack 876c Gold** | 1931 |
| **Flexo LUNA New 1-Pack 877c Silver** | 1958 |
| **Flexo LUNA 1-Pack 877c Silver** | 1960 |
| **Flexo LUNA 1-Pack 877c Silver (Low Viscosity)** | 1950 |
| **Flexo LUNA 1-Pack Bright Silver** | 1945 |

Product Shelf Life: 6 months.

A full range of 369 free metallic inks are available.

**UVDRY FLEXO 1-PACK (FP) METALLICS**
**FPC (Food Packaging Compliant) / MC (Migration Compliant) ink range**
**Swiss Ordinance and EuPIA guidelines for indirect food packaging compliant**

| 1-Pack Metallics | Code |
|---|---|
| **Flexo 1-Pack 871c Gold (FP)** | MET2071 |
| **Flexo 1 Pack 872c Gold (FP)** | MET2072 |
| **Flexo 1-Pack 873c Gold (FP)** | MET2073 |
| **Flexo 1-Pack 874c Gold (FP)** | MET2074 |
| **Flexo 1-Pack 875c Gold (FP)** | MET2075 |
| **Flexo 1-Pack 877c Silver (FP)** | MET2077 |

Product Shelf Life: 6 months.

A full range of 369 free metallic inks are available.

**FLEXO SCRATCH-OFF RANGE**
**(Please note this ink range contains Benzophenone)**

| Scratch-Off Metallic System | Code |
|---|---|
| **Flexo Scratch-off Base Lacquer** | L501 |
| **Flexo Scratch-off Metallic Varnish** | MV830 |
| **Flexo New Silver Paste** | 1957 |
| **Flexo New Dense Scratch-off Black** | B2070 |
| **Flexo Scratch-off Overlacquer** | L574 |

Unmixed shelf life of metallic paste: 6 months.

Mixed product shelf life: 24 hours

Please visit our website or contact us directly for the TDS information sheet, which contains technical information and printing recommendations.

**FLEXO ADDITIVES**

| Description | UV Flexo LUNA | UV Flexo AURA | LED | Details |
|---|---|---|---|---|
| **Liquid Reducer** | AD115 | AD115 | AD115 | Use as required to lower the viscosity and tack of inks and varnishes.<br>Use to a maximum of 10%. |
| **Cure Promoter (Colours only)** | AD241 | AD239 | AD226 | Used to improve the cure of coloured inks. Do not use in clear coatings, whites or tints.<br>An add of 2-3% should be sufficient. |
| **Cure Promoter** | AD202 | AD234 | AD234 | Used to improve the cure of whites, clear coatings and tints.<br>An add of 2-3% should be sufficient. |
| **Slip Additive** | AD317 | AD317 | AD317 | Used to improve the tape adhesion of inks or varnishes.<br>Do not use in systems intended for foil blocking, overprinting or gluing.<br>An add of 0.5-2.0% should be sufficient.<br>Add to subsequent colours used in the process for trapping purposes. |
| **Levelling Additive** | AD325 | AD325 | AD325 | Used to improve the lay of one ink on top of another.<br>Can be used to improve lay of the ink on difficult substrates.<br>Do not use in systems intended for foil blocking, overprinting or gluing.<br>An add of 0.5-2.0% should be sufficient. |
| **De-Foamer** | AD346 | AD346 | AD346 | Used to remove excess surface foam.<br>An add of 0.1-1.0% should be sufficient. |

## WATERBASED 4000 RANGE

**Complies to the EuPIA Exclusion Policy**

| 4 Colour Process Set | Code |
|---|---|
| Process Yellow | WBYF4405 |
| Process Magenta | WBRF4405 |
| Process Cyan | WBCF4405 |
| Process Black | WBBF4407 |

| Base Colour Palette | Code |
|---|---|
| Yellow | WBYF4401 |
| 021 Orange | WBYF4404 |
| Warm Red | WBRF4402 |
| 032 Red | WBRF4404 |
| Rubine | WBRF4401 |
| Rhodamine | WBRF4403 |
| Purple | WBCF4403 |
| Violet | WBVF4401 |
| 072 Blue | WBCF4404 |
| Reflex Blue | WBCF4402 |
| Process Blue | WBCF4401 |
| Green | WBGF4401 |
| Mixing Black | WBBF4402 |
| Extender | WBTF4401 |
| Hi Opacity White | WBWF4404 |

| Spot Lightfast Colour Palette | Code |
|---|---|
| 012 Yellow | WBYF4406 |
| Purple | WBCF4413 |
| Violet | WBVF4411 |
| 072 Blue | WBCF4414 |
| Reflex Blue | WBCF4412 |
| Jet Black | WBBF4401 |

Please visit our website or contact us directly for the TDS information sheet, which contains technical information and printing recommendations.

## WATERBASED ADDITIVES

| Description | Code | Details |
|---|---|---|
| **Retarder** | AD2401 | Additive to reduce drying times.<br>Add up to 5%. |
| **Fast Solvent** | AD2402 | Additive to increase drying times.<br>Add up to 10%. Must be stirred in. |
| **Refresh Stabilizer Reducer** | AD2414 | Keeps inks open on long runs.<br>An add of 2-3% should be sufficient. |
| **Levelling Additive** | AD2415 | Silicone additive, reduces pinholes, etc.<br>Add up to 2%. Must be stirred in. |
| **Print Clean Stabiliser** | AD2405 | Best all round additive for pH, reduced drying and stability.<br>Add up to 10%. |
| **Press Side Defoamer** | AD2416 | Defoamer additive.<br>Add up to 3% |

**UV LETTERPRESS LUNA RANGE**
**Complies to the EuPIA Exclusion Policy**
**(Benzophenone, ITX and BDK free)**

| 4 Colour Process Set | Code |
|---|---|
| **Pantone Process Yellow** | LMYP2003 |
| **Pantone Process Magenta** | LMRP2005 |
| **Pantone Process Cyan** | LMCP2005 |
| **Pantone Process Black** | LMBP2001 |

| Base Colour Palette | Code |
|---|---|
| **Pantone Yellow** | LMYP2001 |
| **Pantone 021 Orange** | LMYP2002 |
| **Pantone Warm Red** | LMRP2002 |
| **Pantone 032 Red** | LMRP2004 |
| **Pantone Rubine** | LMRP2001 |
| **Pantone Rhodamine** | LMRP2003 |
| **Pantone Purple** | LMCP2003 |
| **Pantone Violet** | LMCV2001 |
| **Pantone 072 Blue** | LMCP2004 |
| **Pantone Reflex Blue** | LMCP2002 |
| **Pantone Process Blue** | LMCP2001 |
| **Pantone Green** | LMGP2001 |
| **Pantone Mixing / Untoned Black** | LMBP2002 |
| **Tinting Medium** | LMV2001 |
| **Opaque White** | LMW2001 |

| Spot Colour Palette | Code |
|---|---|
| **Dense Opaque White** | LMW095 |
| **Spot Reflex Blue (Fine text & line work)** | LMC3003 |
| **Process / Dense Black (Fine text & line work)** | LMB1450 |

A full 369 free letterpress range is available.

Please visit our website or contact us directly for the TDS information sheet, which contains technical information and printing recommendations.

**UV LETTERPRESS LUNA LIGHTFAST RANGE**
**Complies to the EuPIA Exclusion Policy**
**(Benzophenone, ITX and BDK free)**

| 4 Colour Process Set | Code |
|---|---|
| **Process Yellow** | LMYP3003 |
| **Process Magenta** | LMRP3005 |
| **Process Cyan** | LMCP3005 |
| **Process Black** | LMBP3001 |

| Base Colour Palette | Code |
|---|---|
| **Yellow** | LMYP3001 |
| **021 Orange** | LMYP3002 |
| **Warm Red** | LMRP3002 |
| **032 Red** | LMRP3004 |
| **Rubine** | LMRP3001 |
| **Rhodamine** | LMRP3003 |
| **Purple** | LMCP3003 |
| **Violet** | LMCV3001 |
| **072 Blue** | LMCP3004 |
| **Reflex Blue** | LMCP3002 |
| **Process Blue** | LMCP3001 |
| **Green** | LMGP3001 |
| **Mixing / Untoned Black** | LMBP3002 |
| **Tinting Medium** | LMV2001 |
| **Opaque White** | LMW2001 |

| Spot Colour Palette | Code |
|---|---|
| **Dense Opaque White** | LMW095 |

A full 369 free letterpress lightfast range is available.

Please visit our website or contact us directly for the TDS information sheet, which contains technical information and printing recommendations.

**UV LETTERPRESS LUNA FLUORESCENT RANGE**
**Complies to the EuPIA Exclusion Policy**
**(Benzophenone, ITX and BDK free)**

| Fluorescent | Code |
|---|---|
| **Fluorescent 801c Blue** | LMLPC801 |
| **Fluorescent 802c Green** | LMLPG802 |
| **Fluorescent 803c Yellow** | LMLPY803 |
| **Fluorescent 804c Orange** | LMLPY804 |
| **Fluorescent 805c Red** | LMLPR805 |
| **Fluorescent 806c Pink** | LMLPR806 |
| **Fluorescent 807c Purple** | LMLPC807 |
| **Fluorescent 808c Green** | LMLPG808 |
| **Fluorescent 809c Yellow** | LMLPY809 |
| **Fluorescent 810c Orange** | LMLPY810 |
| **Fluorescent 811c Orange** | LMLPY811 |
| **Fluorescent 812c Red** | LMLPR812 |
| **Fluorescent 813c Pink** | LMLPR813 |
| **Fluorescent 814c Purple** | LMLPC814 |

Product shelf life: 4 months

A full 369 free fluorescent range is available.

**Printing Fluorescents**

Fluorescent pigments, in general, are very weak in colour strength compared to conventional ink systems however this range has been developed with increased strength to allow lower coat weight to be used.

**Fluorescent Lightfastness**

Fluorescent colours are poor for lightfastness and are estimated at Blue wool Scale 1-2. We do not recommend that the printed examples of these colours be exposed to daylight conditions.

Please visit our website or contact us directly for the TDS information sheet, which contains technical information and printing recommendations.

**UV LETTERPRESS LUNA 1-PACK METALLIC RANGE**
**(Benzophenone, ITX and BDK free)**

| 1-Pack Metallics | Code |
|---|---|
| **Letterpress LUNA 1-Pack 871c Gold** | 1991 |
| **Letterpress LUNA 1-Pack 872c Gold** | 1992 |
| **Letterpress LUNA 1-Pack 873c Gold** | 1993 |
| **Letterpress LUNA 1-Pack 874c Gold** | 1994 |
| **Letterpress LUNA 1-Pack 875c Gold** | 1995 |
| **Letterpress LUNA 1-Pack 876c Gold** | 1996 |
| **Letterpress LUNA 1-Pack 877c Silver** | 1997 |

Product shelf life: 6 months.

A full range of 369 free metallic inks are available.

**LETTERPRESS SCRATCH-OFF RANGE**
**(Please note this ink range contains Benzophenone)**

| Letterpress Scratch-Off | Code |
|---|---|
| **Letterpress Scratch-Off Duct Varnish** | V234 |
| **Letterpress Scratch-Off Metallic Varnish** | MV1051 |
| **Letterpress Silver Paste** | MET2002 |
| **Letterpress New Scratch-Off Black** | B1228 |
| **Flexo Scratch-Off Over Lacquer** | L574 |

Unmixed shelf life of metallic paste: 6 months.

Mixed product shelf life: 24 hours.

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## UVDRY LETTERPRESS ADDITIVES

| Description | Code | Details |
|---|---|---|
| **Liquid Reducer** | AD101 | Use as required to lower the viscosity and tack of inks and varnishes.<br>An add of 5% should be sufficient. |
| **Cure Promoter (Colours only)** | AD220 | Used to improve the cure of coloured inks.<br>Do not use In clear coatings, whites or tints.<br>An add of 2-3% should be sufficient. |
| **Cure Promoter** | AD200 | Used to improve the cure of whites, clear coatings and tints.<br>An add of 2-3% should be sufficient. |
| **Slip Additive** | AD317 | Used to improve the tape adhesion of inks or varnishes.<br>Do not use in systems intended for foil blocking, overprinting or gluing.<br>An add of 1-2% should be sufficient.<br>Add to subsequent colours used in the process for trapping purposes. |
| **Gel Reducer** | AD103 | Special reducer which will lower the tack of an ink or varnish.<br>Ideal for use on flat bed or semi-rotary machines.<br>An add of 5-10% should be sufficient. |

## CLEAR COATINGS GUIDE

| Coating / Application Feature | Finish | UV Flexo LUNA | UV Flexo AURA | LED | Water Base Flexo | Letterpress | Screen |
|---|---|---|---|---|---|---|---|
| General Purpose (Non Overprintable) | Hi Gloss | L553 | | | | | |
| | Gloss | L512 | LA112 | L1012 | WBC412 | V540 | |
| | Satin | L520 | LA120 | | | V573 | |
| | Matt | L618 | LA118 | | WBC416 | V595 | |
| General Purpose (Overprintable) | Gloss | L508 | LA108 | L1008 | WBC408 | V510 | |
| | Satin | L513 | LA113 | | | V564 | |
| | Matt | L519 | LA119 | | WBC419 | V525 | |
| Utility | Gloss | L710* | | | | V524 | |
| Primer | Gloss | L523 | LA123 | | | V521 | |
| Primer – Difficult Substrates | Gloss | L568 | LA168 | | | | |
| Direct Thermal (For Thermal Coated Stocks) | Gloss | L514 | LA114 | | | V575 | |
| | Matt | L530 | LA130 | | | | |
| High Performance | Gloss | L544 | LA144 | | WBC444 | | |
| | Satin | L633 | | | | | |
| | Matt | L587 | | | | | |
| BPA Free (Non Overprintable) | Gloss | | | | | | |
| | Matt | L704 | | | | | |
| BPA Free (Overprintable) | Gloss | L703 | | | | | |
| | Matt | L706 | | | | | |
| Inmold Labelling Topcoat | Gloss | L576 | LA176 | | | | |
| Adhesive Deadener | Gloss | L301* | | | WBC411 | V076* | |
| Blue Optically Bright Adhesive Deadener | Gloss | L566* | | | | | |
| Cationic Laminating Adhesive | Gloss | L507 | | | | | |
| Free Radical Laminating Adhesive | Gloss | L392* | LA195 | | | | |
| | Gloss | L527 | | | | | |
| Cold Foil Adhesive | Gloss | L414* | LA104 | | | V330* | |
| Cold Foil Adhesive (Porous Stock) | Gloss | L533* | | | | V336* | |
| Cationic Release Coating | Gloss | AD506 AD232 | | | | AD512 AD208 | |
| | Matt | L336 | | | | | |
| Free Radical Release Coating | Gloss | L644 | | | | | |
| Signature Panel | Matt | L521 | LA121 | | | V525 | |
| Holo Emboss / Cast'n'Cure | Gloss | L600 | LA200 | | | | |
| Soft Touch | Matt | L584 | | | | | |
| | Matt | AD556 AD557 | | | | | |

***Please note these products contain Benzophenone.**

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## CLEAR COATINGS GUIDE

| Coating / Application Feature | Finish | UV Flexo LUNA | UV Flexo AURA | LED | Water Base Flexo | Letterpress | Screen |
|---|---|---|---|---|---|---|---|
| **Yellow Optically Bright HMRC Duty Stamps** | Gloss | L464* | | | | V335* | |
| **Yellow Optically Bright (Non Overprintable)** | Gloss | L463* | | | | | |
| **Blue Optically Bright (Non Overprintable)** | Gloss | L405* | | | | | |
| | Matt | L606* | | | | | |
| **Blue Optically Bright (Overprintable)** | Gloss | L541 | | | | V043* | |
| **Yellow Optically Bright (Overprintable)** | Gloss | | | | | V341 | |
| **High Build** | Gloss | | LA161 | | | | V363* |
| | Matt | | | | | | V381 |
| **Tactile / Braille** | Gloss | | | | | | V370 |
| **Blue Optically Bright Tactile / Braille** | Gloss | | | | | | V379 |
| **Rough Touch** | Matt | | LA115 | | | | |
| | Satin | L714 | | | | | |
| **Antibacterial** | Gloss | | LA163 | | | | |
| **Thermal Expansion / Contraction Primer** | Matt | L519 | LA105 | | | | |
| **Face Print Shrink Sleeve** | Matt | L506 | LA106 | | | | |
| **Wrap-around Labelling Topcoat** | Gloss | L596 | LA196 | | | | |
| **Special Effect** | Silver Glitter | L229 | LA129 | | | V122 | |
| | Pearl | L222 | LA122 | | | V031* | |
| **HDDA Free (Overprintable)** | Matt | L719 | | | | | |
| **For Low Film Weight Applications** | Gloss | L721 | | | | | |
| **Dead Matt Effect** | Matt | | LA117 | | | | |
| **Sealer Off-Set Inks** | Satin | | | | WBC410 | | |
| | Gloss | | | | WBC402 | | |
| **Ram Punch Topcoat Off-Set Sealer** | Gloss | | | | WBC420 | | |

***Please note these products contain Benzophenone.**

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**Other specials products available on request.**

Marabu

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