

Base UV-Allround XP

for absorbing and non-absorbing printing substrates in sheetfed and Web offset

The **Base UV All-round XP** process series is a highly versatile range of UV curable lithographic inks designed for outer surface printing of carton board and foil boards, selected plastics and non-absorbent substrates.

Other fields of application of this series are coated and uncoated boards and papers.

The **Base UV All-round XP** series can be used on sheetfed offset printing machines and Web offset.

Properties:

- Sheetfed or web offset printable
- Extensive colour range, including resistant colours
- Adhesion to a wide range of paper, board and synthetic substrates
- Excellent dot gain and trapping properties for high print quality, including reversed out print
- Suitable for in-line or off-line coating, foil stamping and lamination
- Formulated in accordance with the EuPIA Exclusion policy for printing inks and related

COLOUR CODE	BASIC SET OF BASE COLOUR DESCRIPTION	LIGHT-FASTNESS	Spirit	Alkali
UMB1100	Base UV All-round XP Yellow	5	+	+
UMB1110	Base UV All-round XP Yellow 012	5	+	-
UMB1200	Base UV All-round XP Orange 021	4	-	+
UMB1325	Base UV All-round XP RST Warm Red	6	+	+
UMB1335	Base UV All-round XP Scarlet	6	+	+
UMB1380	Base UV All-round XP RST Pink	7	+	+
UMB1410	Base UV All-round XP RST Violet	7	+	+
UMB1550	Base UV All-round XP Process Blue	7	+	+
UMB1600	Base UV All-round XP Green	7	+	+
UMB1900	Base UV All-round XP Black	8	+	+
UMB1000	Base UV All-round XP Transparent White			
UMB1020	Base UV All-round XP Opaque White			

* Please note that this base ink may tend to fade in particular in conjunction with elevated temperatures and when being used in small proportions

COLOUR CODE	BASIC SET OF BASE COLOUR DESCRIPTION	LIGHT-FASTNESS	Spirit	Alkali
UMB1127	UV-Allround XP Process Yellow	7	+	+
UMB1366	UV-Allround XP Process Magenta LF6	6	+	+
UMB1367	UV-Allround XP Process Magenta LF7	7	+	+

COLOUR CODE	OPTIONAL ADDITIONAL BASE COLOURS DESCRIPTION	LIGHT-FASTNESS	Spirit	Alkali
UMB1310	Base UV All-round XP Warm Red	3	+	-
UMB1330	Base UV All-round XP Red 032	6	+	+
UMB1360	Base UV All-round XP Rubine Red	5	+	-
UMB1370	Base UV All-round XP Rhodamine Red	4	-	-
UMB1420	Base UV All-round XP Violet	3	-	-
UMB1520	Base UV All-round XP Reflex Blue	3	-	-
UMB1530	Base UV All-round XP RST Reflex Blue	7	+	+
UMB1550	Base UV All-round XP RST Blue 072	7	+	+

Lightfastness

Lightfastness is an important consideration especially when producing work for display work i.e. posters. The Lightfastness figures details given are related to the full strength colour, if the colours are weakened with tint medium or printed as a screen these figures will be reduced.

DEGREES OF LIGHTFASTNESS	SUMMER	WINTER
Blue Wool Scale 3	4 – 8 Days	2 – 4 Weeks
Blue Wool Scale 4	2 – 3 Weeks	2 – 3 Months
Blue Wool Scale 5	3 – 5 Weeks	4 – 5 Months
Blue Wool Scale 6	6 – 8 Weeks	5 – 6 Months
Blue Wool Scale 7	3 – 4 Months	7 – 9 Months
Blue Wool Scale 8	Over 18 Months	

Applications:

Base UV All-round XP inks are intended for use in the following areas :

- Paper and carton board, non-food packaging
- Luxury packaging, such as liquor or cosmetic cartons
- Plastic packaging, on appropriately selected substrates
- Paper and top coated plastic self-adhesive labels
- Appropriately selected sleeve plastics, including shrinkable plastics

Base UV All-round XP inks are **not** suitable for use in the following areas:

- Primary packaging for food, where the packaged goods are in direct contact with the non-printed side of the packaging, e.g. juice or milk cartons
- Microwave or oven able applications
- Direct food contact, or where low migration properties are demanded due to pack design or the nature of the packaged goods due to the risk of direct contact

*The Deutsche Druckfarben UV-Allround XP inks are formulated in accordance with EuPIA Exclusion policy for printing inks and related products. In particular, this excludes from use all materials classified according to the CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures as carcinogenic, mutagenic or toxic for reproduction in categories 1A or 1B with hazard statements H340, H350 or H360, in addition to toxic or highly toxic materials with hazard statements H300, H301 *, H310, H311 *, H330, H331, H370 or H372* (* may be permitted if safe use can be demonstrated following risk assessment). Pigments based on compounds of Sb, As, Cd, Cr (VI), Pb, Hg, Se, certain dyes, solvents, plasticisers and miscellaneous materials are also excluded.

Important note of usage:

Base UV All-round XP series are suitable for use on paper and carton board and a wide range of non-absorbent substrates . Corona treatment is recommended for non-top-coated plastic substrates to ensure an optimum treatment level of 38-44 mNm⁻¹.

Note: there is significant variation between different grades of substrates . The printer should follow specific advice from their substrate manufacturer and make any tests necessary to prove performance under realistic conditions before commencing with commercial printing.

Storage:

UV inks have a limited shelf life. In case of appropriate storage at 20 °C and protected from direct sunlight, we guarantee a shelf life of 12 months.

This Product Data sheet is designed for your information and reference. It is based on and conforms to our current knowledge. However as actual application is affected by many factors over which we have no control, we are not liable for printing failures.