



FEATURES

- * Single-pack H₂O based polyurethane
- * Very fast drying
- * Accentuates print work appearance - low blush or colour shift on printed images
- * Excellent flow and levelling properties resulting in a high gloss 'magic-mirror' finish
- * Flexible - can be applied to flexible substrates
- * UV stable - protects against weathering and discolouration
- * Highly durable - protects against marring, abrasion and scuffing
- * Excellent adhesion to plastics, ABS, PCs, self-adhesive vinyls and PVCs

USES

- * Provides a visually enhancing and protective top coat to printed media.
- * Accentuates print colours and colour density, visually enhancing the colour of the print work.
- * Polyurethane hybrid that offers durability and strength, protecting both substrate and inks against physical abrasion, chemical attack and UV weathering.
- * Compatible with eco solvent, solvent and UV cured ink prints. Not suitable on Latex inks. High speed production environments will require accelerated drying mechanisms eg. IR curing.

GENERAL DATA

Type	Polyurethane/ Acrylic Hybrid
Drying time @ 20°C	Touch Dry: < 75 minutes Through Dry: <120 minutes
Curing	7 Days
Viscosity (Brookfield RVT)	150 - 200 mPas (Spindle 1)
Specific gravity	1.00 - 1.05
Gloss	High gloss (>80 on 20° Geometry)
NVM (Non-volatile matter)	34 - 36%
VOC	<80g/litre
Dry film thickness	20 - 40 µm
Theoretical spreading rate	10 - 15 m ² / litre for 20-40 µm film build
Pendulum Hardness (Konig)	110
pH	7.5 - 8.5



COLOUR RANGE

Clear

APPLICATION

- | | |
|------------------|--|
| General | * Ready-for-use with pad applicator, roller, spray-gun or liquid laminator. A paint brush can be used, but not recommended. A high density foam applicator is preferred. |
| Thinning | * Thinning NOT required for conventional application. For spraying, dilute with 5% H ₂ O. |
| Liquid Laminator | * If required, dilute by up to 10% water. Manufacturer available for consultation. |
| Cleaning | * Use H ₂ O. Do NOT allow the product to dry before cleaning tools. |
| Substrates | * Use on plastics, vinyls, self-adhesive vinyls, PCs, ABS and PVCs
* Apply on rigid or flexible substrates |



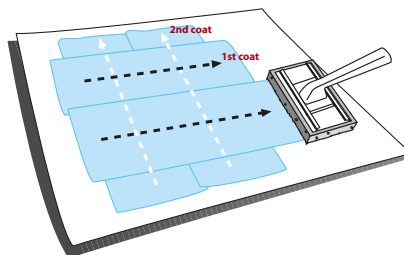
APPLICATIONcont'd

- Recommended Film Build * 20 - 40 microns (μm)
* $>25 \mu\text{m}$ gives a high gloss finish
- Spreading Rate * Depends on mode of application and required film build
* As a guide: a $25 \mu\text{m}$ film build will cover $12\text{m}^2/\text{litre}$ where 100% delivery efficiency
* Delivery Efficiency:
Pad applicator - 90%
Conventional spraying - 40%
HVLP spraying - 70%

Directions for use

PAD APPLICATOR

- * Pour appropriate amount of Flexathane into tray or similar container.
- * Coat an even layer of Flexathane onto the applicator
- * Apply Flexathane onto the substrate using vertical or horizontal strokes until the desired **film thickness and overall evenness** is achieved.
- * Apply a second coat, ensuring that the 2nd coat is applied at 90° to the 1st coat. typically 60-75 mins after 1st coat has been applied.



SPRAYING

- * Use a 1.4 - 2.0 mm fluid tip and 280 - 420 KPa (40 - 60 psi)
- * Use 50% overlapping strokes. Apply with a straight wrist and ensure the gun is no further than 15cm from substrate during spraying. Apply a continuous action throughout the process and do not stop until the project is completed or the Flexathane is finished.
- * Apply 1 - 2 medium coats for the desired finish
- * Clean the gun with H_2O immediately after use.

LIQUID LAMINATOR

- * If required, thin with 5-10% H_2O . Contact manufacturer if technical assistance required.

Drying Time

- * Air drying < 75mins @ 20°C
- * IR curing < 5mins

PRECAUTIONS

- * Test Flexathane suitability on substrate and inks before proceeding.
- * Clean sign with water and **mild** soap. Strong solvents or soaps NOT recommended
- * Keep container sealed and store in a cool dry place. Do NOT freeze.

FLASH POINT

Not applicable - water based

PACK SIZES

- 5 Litre
- 2 Litre
- 1 Litre