

## Ri-Jet P75 Hi-Grip

### PRODUCT DESCRIPTION / BENEFITS

Ri-Jet P75 Hi-Grip series is a self-adhesive film for Large Format Digital printing, designed for medium to long-term application on apolar surfaces.

The polymeric vinyl, UV stabilised, has an external colour stability up to 7 years, specially developed to be printed with solvent, eco-solvent, latex, and UV inkjet printing presses.

The solvent-based Hi-Grip adhesive provides a good adhesion on low surface energy substrates such as PE and PP. The PE coated Kraft liner ensures good planarity and printing results.

All products are REACH & RoHS compliant.

### TYPICAL USE

- Medium to long term outdoor/indoor advertising on apolar substrates, such as motocross tanks, quad bikes, Go Karts, etc ...
- External floor graphic printed media

### CONSTRUCTION

- **Face film:** 75 µm calendered polymeric film
- **Adhesive:** high tack clear solvent-based acrylic
- **Release liner:** PE coated kraft paper 140 g/m<sup>2</sup>

#### Products:

White Gloss finish: Code 08198 - **Ri-Jet P75 White Gloss Hi-Grip PE**

Clear Gloss: 08864 - **Ri-Jet P75 Clear Gloss Hi-Grip PE**

### CONVERTING METHOD

Specially developed to be printed with solvent, eco-solvent, latex, and UV inkjet printing presses. To achieve the best possible print quality, make sure that the correct ICC profiles or printer settings are used. The printed media should dry minimum 24h prior to lamination.

We suggest a lamination with Ri-Lam P75 Clear Gloss or Matt to protect the printed image from UV fading and mechanical abrasion.

Not suitable for sheeting (adhesive bleeding).

### APPLICATION METHOD / INSTRUCTIONS FOR USE

Dry and wet application method on clean and degreased substrates.

Application temperature above 10°C.

The Hi-Grip adhesive has a low cohesion. Therefore, the film will tend to shrink.

Ri-Jet P75 Hi-Grip series is not suitable to big surface coverage needing multiple overlapped widths. We recommend leaving 0.5cm unprinted area around the printed poster edge.

### EXPECTED DURABILITY

The expected vertical outdoor durability in Central Europe (zone 1) is

- White: 7 years
- Clear: 5 years

This information is based on real file experience and artificial aging according to ISO 4892-2.

Note: Exposure to severe temperature and ultra-violet light will cause a quicker deterioration. This applies also to polluted area, high altitude, horizontal applications, and south-facing exposure in north hemisphere.

## SHELF LIFE

Shelf life is 2 years, when stored at 23 °C and 50 % relative humidity conditions.

Higher temperatures and/or humidity levels will reduce product shelf life.

NB: Printing results start to deteriorate after 12 months storage.

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### PHYSICO-CHEMICAL PROPERTIES / TYPICAL VALUES

Face thickness, without adhesive	75 µm	ISO 534-80
Face thickness, with adhesive	110 µm	ISO 534-80
Tensile strength (machine direction)	> 15 N/cm	ISO 527
Elongation at break (machine direction)	> 150%	ISO 527
Fire resistance on aluminium	Self-extinguishing	ISO 3795:1989
Dimensional stability (1 week @70 °C on glass)	1.5 mm	FTM 14
Initial adhesion on glass (20 minutes)	13 N/25mm	FTM 1
Adhesion on glass (24 hours)	20 N/25mm	FTM 1
Final adhesion on glass (1 week)	22 N/25mm	FTM 1
Adhesion on PE (24 hours)	10 N/25mm	FTM 1
Minimum application temperature	+10 °C	
Service temperature	From -40 °C to +90 °C	
PE coated kraft paper liner	145 g/m <sup>2</sup>	ISO 536
Humidity resistance	No effect	200 hours exposure
Water resistance	No effect	24 hours immersion
Detergent (1% solution)	No effect	24 hours immersion
Isopropyl alcohol / Water (20/80)	No effect	10 minutes immersion

### QUALITY CERTIFICATION



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