



### DESCRIPTION

Sihl **IJS 250 vinyl glossy SA 3828** is a 3.5mil self-adhesive, monomer-softened, white opaque PVC film with a high glossy ink-absorption coating and a removable acrylic based self-adhesive backing. On the back, the self-adhesive coating is covered by a white, silicon craft-paper. Excellent handling characteristics, high edge definition and superior image quality makes Sihl IJS 3828 to a universal product for indoor graphic arts applications such as flexible, durable, attention grabbing signs and banners.

### PHYSICAL PROPERTIES

Property	Unit (metric)	Unit (US)	Test Method	Notes
Vinyl Type				Calendared
Total weight	250 g/m <sup>2</sup>	70lb	ISO 536	
Thickness (total)	260 µm	8 mil	ISO 534	
Thickness (vinyl)	120 µm	3.5 mil	ISO 534	
Opacity	96%		ISO 2471	
Adhesive Strength V2A*	225 N/m			1 hour
	300 N/m			24 hours
Bonding temperature	>15 °C			

*Release-ability: from all smooth surfaces, except for ABS, polystyrene, specific dyes and inks, in particular when fresh, nitro-cellulose lacquers, certain soft types of PVC. \*Test Norm -> FINAT FTM 1.*

### APPLICATIONS

Sihl IJS 3828 is suitable for indoor applications and designed to generate monochrome and full-color graphics on all popular wide format inkjet plotters and is compatible with water-based dye inks. With the help of its self-adhesive back, the film may be applied to a large number of suitable smooth surfaces (dirt-and grease-free). Its release-ability is guaranteed for up to one year. The high quality ink-absorption coating allows quick drying while printing. The color-fastness of the prints may be improved by a post-print lamination. We recommend laminating IJS 3828 with pressure sensitive over laminates such as Sihl LPS 3624 (3MLV), LPS 3621 (2MCVC) and LPS 3622 (2MMVC). Popular applications include: advertising posters, banners, signs, POP displays, exhibition panels, and more.

Life expectancy: ► outdoors: not recommended ► indoors: 12 months

*Limitations: Sihl IJS 3828 is not compatible with pigmented inks.*

### ADVANTAGES

- Excellent handling characteristics
- High edge definition and superior image quality
- Removable acrylic based adhesive

### LIST OF PRINTERS

Printer	Dye Based Ink	Pigmented Ink
ColorSpan DM 4000/5000/6000/7000	EnduraChrome	-
Encad NovaJet Pro 36/50, Pro e 42/60, 500, 600, 700, 800	Encad GS, GA, GX	-
Hewlett Packard DesignJet 2000/ 3000 series	HP Standard	-

*Note: Please contact your local Sihl sales representative for more information on printer or ink compatibility.*

## PRINT RECOMMENDATIONS

**Converting:** The material is converted coated side out.

**Printer Settings for optimal print quality:** ► Ink limit -> 350%, however, individual results may vary due to printer type, shop conditions and image. ► Media Type -> Photo Glossy Film ► Print Mode -> Best ► Resolution -> up to 1440 dpi, however, individual resolution settings may vary due to printer type.

**Printer and Ink Compatibility:** IJS 250 vinyl glossy SA 3828 is designed to work with most water-based dye inks.

## FINISHING RECOMMENDATIONS

**Lamination:** IJS 3828 can be overlaminated with most cold laminate materials. When the film is overlaminated with heavy gauge laminates and either mounted to a board or encapsulated, overlap the image with a 0.25" safe edge of laminate. This will seal the inkjet film, preventing moisture absorption. Use laminates of equal gauge when encapsulating to prevent image curl. Using an overlaminate film will also increase UV stability and prevent colors to fade early.

**Mounting:** IJS 3828 has a self-adhesive backing that will adhere to many clean / flat surfaces such as mounting boards, gaterfoam, sintra, metal.

**Separation:** Hand removable from all smooth surfaces except ABS, Polytrol, certain colors and inks (especially fresh applied), Nitrocellulose lacquering, and certain soft PVC - qualities.

## CONDITION OF USE AND STOCKING

**Storage (new and partially used rolls):** For quality reasons Sihl IJS 3828 should be stored and converted under conditions of 35-65% relative humidity and at a temperature of 10-30°C.

**Storage of open rolls:** When an open roll of media is not being used ► remove the roll from the printer ► cover the roll with a plastic bag to protect it from contaminants ► if you are storing it on end, use an end plug and tape down the edge to prevent damage to the edge of the roll ► do not lay sharp or heavy objects on unprotected rolls and do not stack them.

## WARRANTY STATEMENT

*The following statement is made in addition to all other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose: Sihl IJS 250 vinyl glossy SA 3828 is warranted to be free of defects in materials and manufacture and to have the properties stated in Sihl's published product information sheet. Sihl will replace or refund the price of any Sihl materials that do not meet this warranty.*

These remedies are exclusive. In no case shall Sihl be held liable for any direct, indirect or consequential damages, including labor or non-Sihl material charges.

IJS 250 vinyl glossy SA 3828 is manufactured in Germany.

## CONTACT INFORMATION

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