

INNOFIX[®]

Static Substrate

DIGITAL PRINT SHEETS AND REELS



FEATURES



Unlike with normal stickers, no risk of damaging surfaces or no need for cleaning afterwards. Innofix is a safe choice even for sensitive surfaces.



Innofix products are PVC free, environmentally friendly and 100% recyclable!



Innofix is quick and easy to install and fully removable. Anyone can do it, no professionals needed!



Use Innofix material on windows, walls, freezers and other smooth and clean surfaces. No need to change the material when changing the surface!



MATERIALS

Innofix products are made of a polypropylene film with a porous special coating, which absorbs printing ink while maintaining a long-lasting static charge. Innofix has no adhesives, it adheres to surfaces with static charge and can be printed with digital printers, plotters and even with multitask office laser printers.



APPLICATIONS

- In-store advertising
- Trade marketing
- POP and POS marketing
- Interior decoration wall coverings
- Indoor signs for safety and information
- Magazine advertising inserts and specialty marketing
- Static Posters and Notices
- Static Stickers and Greeting Cards

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Static Substrate

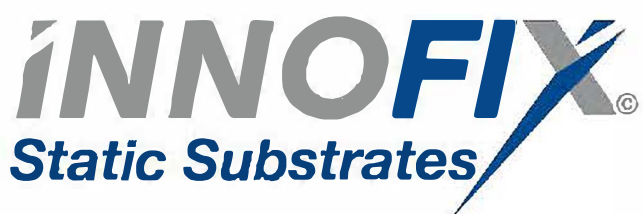
DIGITAL PRINT SHEETS AND REELS



REELS + SHEETS

- Roll laminate: 226 gr/m², pp film 47 microns
- Core size: 76 mm
- Sheet formats:
 - 100x70 cm (39.3x27.5 in)
 - 75x53 cm (29.5x20.8 in)
 - 70x50 cm (27.5x19.6 in)
 - 45x64 cm (17.7x25.2 in)
 - A3: 14.8x21 cm (5.8x8.2 in)
 - A4: 21x29.7 cm (8.2x11.9 in)
- Reel maximum width: 106,7 cm
- Reel maximum length: 2.700 m
- Available with 2 backers:
 - Innofix Paperbacker
 - Innofix Cartonbacker
- Originally designed especially for digital printing

STATIC FIL M COMPARISON	INNOFIX STATIC CHARGED FIL M	OTHER STATIC FIL MS
Static Material Finish	Matte	Glossy
Final Print Quality	Excellent - uniform and elegant finish	Uneven. Some parts look very glossy while others matte
Attachment to the Backing Paper	Fully through-glued	Partial
Ease of Printing	Easy and safe with no risk of jamming	More complicated as requires supervision and perfect positioning.
Digital Printing	Originally designed for digital printing	Only with HP Indigo
Recommended inks	Use standard inks or other inks except water-soluble inks.	Requires special plastic inks
Shelf-life	Up to 2 years	Some months up to 1 year
Drying time	Not required	Plan for 24-48 hours
Sheet cutting by printer	Yes, fully	Yes, but partially only



General product information:

Innofix Static Print material is a specifically structured electrically charged polypropylene 47 micrometer film (1.85 mil) that is produced in a way which maintains the stability of the electrical charge. The products were originally designed especially for digital printers but can also be used with plotters and other large-scale printers.

Innofix Static Print material is coated with porous special coating which absorbs printing ink solvent.

Product properties:

Innofix substrates have no adhesives, innoFIX Static substrates fully adheres to surfaces with stable electrical charge added, and it can be printed in offset, UV, digital printers and with multitask office printers.

Innofix White Print is available in two backers: thinner paper-backer and thicker carton-backer. Innofix Clear is currently available only with the thinner Paper backer. REELS IN PAPER BACKED ONLY.

Thickness Type	Innofix White Paperbacker	Innofix White Cartonbacker	Innofix Clear
Film Thickness	1.85 mil / 47 microns	1.85 mil / 47 microns	2 mil / 50.8 microns
Backer Thickness	5.04 mil / 128 microns	11.93 mil / 303 microns	5.04 mil / 128 microns
Overall Thickness	6.89 mil / 175 microns	13.78 mil / 350 microns	7.04 mil / 178.8 microns

Innofix White:

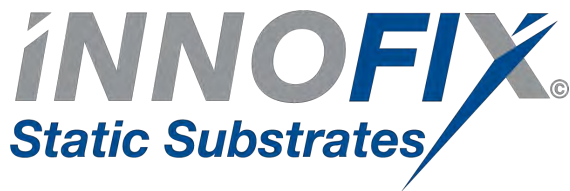
- Sheet format can be freely chosen, but in Europe the most popular sizes are: 70 x 100 cm, 70 x 50 cm SRA3, 320 x 450 mm.
- In US available sizes include: 8.5 x 11, 12 x 18, 13 x 19, 28 x 40 and 40 x 60 inches. The maximum width of the sheet is 42 inches and length can be up to 8,850 feet. Any sheet size under 42 inches is available.
- The static film material is fully attached to the backing, so it can also be cut before printing by the user.
- The most popular reel sizes in Europe are 106,7 cm x 30 meters and 106,7 cm x 50 meters.
 - Core size 76 mm
 - Roll laminate: 226 gr/m², pp film 47 micrometers
 - Roll maximum width: 106,7 cm or 42 inches.

Innofix Clear:

- Currently available in reels 88 cm x 30 m (34.6 inches x 98 feet) 255-GSM
- The maximum width of a reel is 42 inches and length can be up to 8,850 feet.
- Smaller flat sheets are also available from 28"x 40" to 12"x 18" in bundles of 200 sheets.
- Best Print results using plastic inks like UV, Latex Inks and HP Indego Solvents.
- ***Important to lower printer heat setting to between 135c to 140 Celsius (275f to 284 Fahrenheit) for best results.**

The information provided is the best currently available on the subject matter and should be regarded only as a general guide to material properties and not as a guarantee.

<https://innoFIXdigital.com> | info@innoFIXdigital.com



Solutions:

Posters, exhibition booths, store and pop-up marketing, magazine inserts, greeting cards, calendars, and other marketing materials.

Innofix Print Technical Information:

- The Static Print material is coated with a special coating and is printed with zero charge. The electrostatic charge is generated after the printed side is removed from the backing paper.
- Thus, the same material can be printed in offset, digital printing machines and with multitask office printers.

Recommended HP Indigo settings:

- Type = White Silk/Matt
- Coating = coated
- Thickness = 0,25
- Weight = 210 gsm paperbacked & 235 gsm cartonbacked
- **Heat Settings = 138 to 140 degrees Celsius**
- Max. air blowing at the start
- Driving end to the stacker
- Use Standard HP inks

The Innofix Static Sheet material:

- is removed from backing paper before use.
- is environmentally friendly and 100 % recyclable.
- is recommended for indoor use.
- **adheres to walls, doors, windows and virtually to any smooth and clean surface.**
- is developed and produced in Finland (EU) at the factory of InnoTools Oy.

It is safe to print our sheets in large-format, digital printers and even office laser-printers. Only thing is that the static charge of the sheets may not be optimal, if the settings are incorrect. The most common elimination of static electricity in printing are that:

- **Printer's anti-static settings** are on (called Ionizer bar in Canon), Ionizer kit (in Mimaki), or can also be called anti-static bar. **Some printers have these anti-static settings on by default to stack paper better. This setting should be found and turned off.**
- **The use of water-based or water-soluble ink.** As water conducts electricity, it is always bad for static charge. **Water-based inks will not work.**

The list of large format printers Innofix static sheets, rolls/reels are currently being printed on:

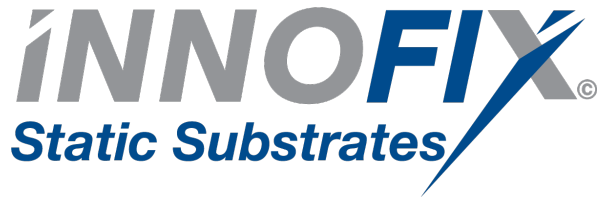
- * Minolta Pro 6085
- * Xerox AltaLink C8030
- * Fuji Acuity LED 1600
- * Canon Colorado Series
- * Canon Arizona Series
- * HP Indigo 12000, HP Indigo 7500, HP Indigo 5500
- * HP Latex 700W, HP Latex 800W

Also, Innofix substrates have been printed on **Lexmark, OKI, Minaki and Brother** large format printers as well.

If you have a specific printer model in mind for printing the sheets, please contact us to see whether we have more specific instructions for that model on file.

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HOME/OFFICE LASER PRINTERS

General Instructions for Printing an Electrostatic A4 and US Letter Size Sheets

Laser-printable Electrostatic InnoFIX Print Sheet is a new generation print product that allows you to print any desired image or text on US Letter 8.5"x11" inch or SRA4 sized 8.2"x11.9" inch (320x450mm) sheets!

Please remember that InnoFIX sheets only work with home/office laser printers and the print settings vary depending of the printer brand. Still, with these general guidelines, we are sure after some testing you are able to use the product. In future, we are hoping to provide more detailed instructions for each printer brand.

- 1) If possible, use the Printer's Bypass Tray option as it is designed for printing special materials and the electrostatic material works the best when printed there. However, the material works on all printer trays, but may not generate as much static electricity on standard trays.
- 2) Set the printer settings for as thick and heavy paper as possible (Coated paper, Thicker paper, etc.)! A single electrostatic sheet weighs 235 grams.
- 3) Print the desired image or text on the matt side (non-glossy side) of the electrostatic sheet. This usually means putting the matt side up in the printer, but it varies between different printer manufacturers. Thus, we recommend that you first test this on plain paper (even if you mark it on the paper or write "top" on it) on either side of your printer.
- 4) After printing, wait 5-6 minutes before removing from tray. If the static paper is curled, you can roll it in the opposite direction. However, the possible curl does not affect the static electricity itself and the image becomes even again when you attach the product to a flat surface.
- 5) Remove the printed side from the backing material and attach it to the desired surface. The static image usually comes off best by removing it slightly below the angle.
- 6) You can make the electrostatic material stay smoother (more even) on the wall by wiping it with a dry cloth. For example, a microfiber cloth is good for this purpose.

If you have a specific printer model in mind for printing the sheets, please contact us to see whether we have more specific instructions for that model.

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