STAFIX®
GRIP

Toner

Light-production and production dry-toner printers

Product Manual

GRIP Toner

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In this product manual we will guide you through the various aspects of working with our **STAFIX®GRIP Toner** products. Following this manual will help you to achieve the desired results and avoid potential difficulties.

The product manual consists of the following segments:

1. PRODUCT PROPERTIES

STAFIX®GRIP Toner is a glue-free sticker material that adheres to various clean and very smooth surfaces with a silicon adhesion layer. The material is removable without leaving any residue and reusable even up to 12 months. The material adheres on the unprinted side only.

12M

PRODUCT DATA				
	WHITE		CLEAR	
	FILM	**LINER**	**FILM**	**LINER**
Weight (g/m²)	150	70	180	70
Thickness (µm)	115	50	140	50
Total Weight (g/m²)	220		250	
Total Thickness (µm)	165		190	
Material	PET		PET	
Finishing	White gloss		Ultra Clear	
Working temperature	-30°C to 130°C		-30°C to 130°C	
180° Peel Strength (g/25mm)	2-10		2-10	
Recyclability	Grade 1 plastic		Grade 1 plastic	
Shelf life	24 months		24 months	
Stafix® Product code	GR-115PETW50.2.		GR-140PETC50.2	

FORMATS, PACKING AND TOLERANCE

FORMAT	SHEETS / BOX	SHEETS / PALLET
320 x 450mm	100	4000

Format tolerance is 0,5% in length and width. Sheet flatness tolerance is 8mm.

2. STORAGE

Store the unwrapped **STAFIX®GRIP Toner** in the original package at 25% to 50% relative humidity and 15°C to 25°C temperature. The material should remain sealed in the original wrap until the **STAFIX®GRIP Toner** material has warmed up to print-room temperature. Print-room recommended relative humidity is 50% to 60% and temperature is 18°C to 30°C. After use re-seal the remaining unused material in the original package.

	STORAGE CONDITIONS	PRINTING CONDITIONS
Humidity	25% to 50%	50% to 60%
Temperature	15°C to 25°C	18°C to 30°C

Proper acclimatization allows for better handling of the material and feeding through the press. The warming-up time depends on the box or pallet weight and the temperature difference between the warehouse and the print-room, see table below for more details:

PACKAGING		WEIGHT	TEMPERATURE DIFFERENCE (°C)								
FORMAT		**KG (APPROX)**	**5°**	**10°**	**15°**	**20°**	**25°**	**30°**	**35°**	**40°**	HOURS
320 x 450 mm (SRA3)	One box (100 sheets)	4 kg	1	1	1	1	2	2	2	2	

Once the **STAFIX®GRIP Toner** sheets have reached the same temperature as the print room you can open the boxes. Let the material acclimatize with the open box for 2 hours prior to printing for better runnability and efficient feeding. After use, repack the remaining unused material in the original package.

PREPRESS

For pictures a raster of 60 - 70 l/cm is recommended. Create the black text of only 100% black for better registration. Avoid heavy deposits of ink for faster drying.

FORMAT	MAXIMUM PRINTABLE AREA
320x450 mm	310x440 mm

CLEAR MATERIAL

When printing an artwork on the clear material that will be used for window advertising, print the image mirror-wise and apply an additional covering white layer (either printed or a laminated layer) to reduce the transparency. **Not all the presses have white inks available; consult with your printing house beforehand.**

The sticker or poster is always installed from the unprinted side to the glass. The material adheres only from the unprinted side.

Always run a test with the right inks and right conditions before printing a commercial job, specially for the first time printing on STAFIX®GRIP Toner.

STAFIX®GRIP Toner is compatible with machines such as:
Ricoh Pro C751 / C7110SX
Canon imageRUNNER 6000
Canon ImagePress C6010VP/ C7010VP
Konica Minolta Bizhub Press C1070 / C1085 / C1100
Xerox Color 560 / 570 / 700 / 770 / 1000i / J75
Xerox Versant 2100

Select the settings for printing on non-absorvent, synthetic materials such as self-adhesives or NeverTear. The product is also compatible with several other models. To confirm the compatibility with your specific model, please contact Stafix Ltd or your supplier of STAFIX® material. We recommend to test the material before using with any other model not mentioned above.

ON OPRESS - STATIC BUILD

Synthetic materials can build static charge during printing on dry toner presses, especially when printing longer runs.

The static build in plastics can be managed by a combination of effective grounding, ionization, and proper humidity/temperature control.

For larger runs is recommended to use an ionization system to eliminate the static build.

If ionization system is not available use a metal core tinsel to dissipate the static by induction. The tinsel should be attached to a properly grounded press or another conductive object.

Make sure the press is properly grounded.

POSTPRESS

STAFIX®GRIP Toner can be die-cut and kiss-cut. Always round the corners when die-cutting or kiss cutting because the inner-sharp corners might cause the film to tear. Perforating, binding and direct mail inserting is also possible. When trimming, use sharp, nick-free blades.

Specially for longer runs reserve plenty of time (48 – 72hrs) between printing and postpress to allow the potential static build to dissipate properly for easier feeding.

4. SURFACE COMPATIBILITY

✔ = suitable   ✘ = non-suitable   — = suitable with limitations (requires previous tests)

SURFACES	COMPATIBILITY
Smooth Surfaces	✔
Rough Surfaces	✘
Ceramic Tiles	✔
Glas/Mirrors/Windows	✔
Aluminium	✔
Steel	✔
Plastic	✔
Wood	✘
Varnished Wood	✔
MDF board	✔
Painted Walls	✘
Brickwalls	✘
Coated Paper	✔
Uncoated Paper	✘
PVC High & Low Density Boards	—
Textile, Fabric (clothing, sofa, etc.)	✘

APPLICATIONS / PLACES	COMPATIBILITY
Home Appliances	✔
Window Graphics	✔
Furniture (Tables, Cabinets etc.)	✔
Sanitary Ceramics	✔
Fridge/Freezer	✔
TV / Computer Screens	✘
Magazine inserts	✔
Indoor	✔
Outdoor	—
Flooring (PVC, Laminat, Tiles)	—

5. USE AND INSTALLATION

STAFIX®GRIP is recommended for temporary indoor use. The material adheres on average for 12 months to any very smooth surface, **STAFI®GRIP** does not adhere to porous surfaces such as painted walls, PVC foam boards or untreated wood. Make sure to test the material beforehand in the intended surface for your application before the actual printing.

For the installation, make sure the surface is clean. If needed clean the surface but do not use detergent or chemicals. Wet installation is recommended to eliminate possible air bubbles more easily, specially for larger pieces. Apply the film always from the unprinted side.

Due to the great variety of substrates and the growing number of new applications, the installer must check the suitability of the printable media for each application
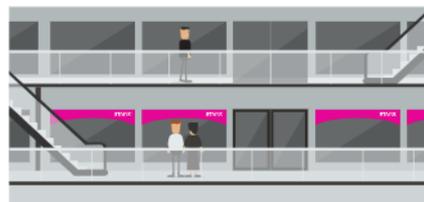
USE

STAFIX®GRIP adheres to various clean and very smooth surfaces, such as:

- glass
- plastic
- stainless steel
- aluminium
- tiles
- varnished wood

Thanks to the material's versatility, it can be used in applications, such as;

- Retail advertising (e.g. freezers and -fridges)
- Store decoration and window display
- Events and exhibitions

INSTALLING STAFIX®GRIP *White & clear*

1. Make sure the surface is clean. If needed clean the surface but do not use detergent or chemicals. Wet installation* is recommended to eliminate possible air bubbles more easily. Apply the film always from the unprinted side.

2. Release carefully the liner (see other side for details) from the face of the film, and apply the upper corner to the surface where the artwork will be displayed. After the material is aligned, remove the liner working from the top to bottom.

3. Use a soft sided "felt" squeegee to eliminate any air bubbles. Do not use of bubble popper tools or sharp objects to eliminate the bubbles.

This use & installation guide is recommended to be provided by printing houses with the ready, printed products.

MIRROR-WISE PRINTED STICKERS

If you want to display the image through a glass window from inside to the outside (Shop display) you should use the clear film. The film should be printed 'mirror-wise', so that the unprinted side will adhere to the glass. The film will stick on the inside of the window with visibility from the outside.


WET INSTALLATION

Wet installation makes the artwork easier to move and replace without damaging it during the installation process.

Make sure the surface is clean. Wet the clean surface with a spray bottle, place the desired artwork to the surface and use a soft sided "felt" squeegee to eliminate any air bubbles and remove the excess water moving from the center of the artwork to the sides. Wipe the excess water off with a paper towel.

REMOVING THE LINER

The liner can be removed from the backside (from the unprinted side), using the tip of your thumb instead of your nails.
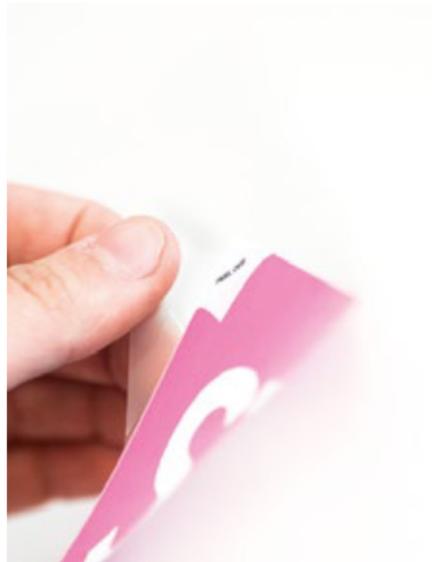
You can also remove the liner with a small piece of tape. Place the tape on the corner of the artworks's liner and pull the tape back so that the liner comes off.

Please contact Stafix for any questions related to the designing, storing, printing or general use of our products. We would be happy to assist you to reach the desired results with your printing campaign.