

OFFSET

SELF-ADHESIVE SHEETS

Labeling a smarter future
beyond fossils



Find the right solution
for your brand at
upmraflatac.com



OFFSET SHEET-TO-SHEET SOLUTIONS FOR PREMIUM EFFICIENCY

Serve a market that represents a massive worldwide business!

The offset technology is a traditional solution perfect for customers looking for high volume printing, cost effective methods and most importantly: top quality. The more copies the customer needs, the more cost-effective the service is. Clients also have a large variety of paper types with different custom finishes to select from, and have access to special custom inks and colors. Offset printing makes use of a wide range of colors (including Pantone), finishes, and materials which enable creating the best brand image.

WHEN IS OFFSET PRINTING THE BEST CHOICE?

To answer this question, answer these:

How large is the printing volume?

Conventional printing comes with a front-end cost, due to press plate setup requirements, lower volume projects may have higher per-unit costs.

What materials would you like to use?

If your design requires the use of special paper or other special materials, better image quality is achieved with conventional printing.

Do you need to print on a special substrate and/or format?

When non-standard materials have to be printed, offset technology is the best choice.

THE UPM RAFLATAC OFFSET RANGE offers a wide range of products suitable for multiple substrate types and labeling conditions. Our products contribute to keeping offset technology the number one choice when it comes to quality and volume.

Unbeatable offset image quality

The paper and filmic products in UPM Raflatac's offset range combined with conventional printing technology ensure unbeatable print definition and high-resolution graphics.

Maximum convenience for label users

Precision back-scoring allows label users to remove the backing quickly and smoothly. Label application is fast, and the label quality carries through to the final informational or decorative use.

LABELS ARE MORE SUSTAINABLE THAN EVER!

All UPM Raflatac production facilities in the US, Europe, South Africa, China and Australia have ISO 14001 environmental management certification. Label paper faces in the offset range are FSC-certified to guarantee that the materials are sourced from sustainably managed forests, and the water-based acrylic adhesives are free from solvents.

Offset papers & films specified for direct food contact are available with a **Declaration of Conformity (DoC)** mandatory in the EU (EU 10/2011) for all components of food-contact packaging.

UPM Raflatac Offset range is in compliance with the European standard **(EN 71-3:2013) for toy labeling.**

Safe labels: UPM Raflatac self-adhesive laminate products comply with **REACH, EU Regulation (EC) No 1907/2006** and **RoHS Directive 2011/65/EC**, among other European norms.

THE KEY FEATURES

UPM Raflatac produces specially developed paper and film solutions for offset sheet-to-sheet label printers. These products excel in all the essential requirements for self-adhesive sheets and ensure return on your investment.

- **Specially developed adhesives meet the needs of the label creation process** UPM Raflatac **non-residue and clean** adhesives secure the whole printing process from feeding to label die-cutting with minimum contamination. Efficient stacking, fast die-cutting and excellent guillotining properties.
- **Versatile adhesives** (semi-permanent, permanent, extra permanent, removable, deep freeze, textile) suitable for a wide range of substrates and applications.
- **Multipurpose faces** (uncoated, coated, opaque, colored, boards, foils, classic assortment papers and films) recommended for high-quality multicolor labels requiring high-resolution images.
- **Optimal lay-flat** when fed through printing machinery, reducing the risk of paper jams during printing and further maximizing efficiency after printing when stacking, die-cutting and guillotining.
- **Variety of sheets formats: 43x61, 64x45, 50x70, 100x70cm** Other sizes available on request.
- **Safety packaging** Our ream wrapping is provided with a moisture and dirt barrier that protects the sheets from damage during transport and storing. It also expands their shelf life thanks to optimal conditions inside the ream. The UPM Raflatac offset range is available in reams of 100, 125 or 250 sheets depending on the self-adhesive combination, product and size. Bulk pallets are also available.
- **Backing combinations** vary depending on the face material. Papers are combined with a Kraft backing of 86gr/m² and films with a Kraft backing of 135gr/m². Option of **backing with scores** is available with paper faces. When scoring, scores should be parallel to printing feeding direction. Special backings available.



OFFSET PRODUCT RANGE: PAPER				END-USE & SPECIAL APPLICATIONS									
Face Quality				Product	Promotion	Transport & Logistics	Inserts / Stickers	Food	Displays & point of sales (high-rigidity)	Retail, Block-out label	Wine, beverage and decorative labeling	Industrial, water, oil and chemicals resistant	Outdoor
UPM Raflatac	Description	Face (gr/m ²)	Adhesive										
UNCOATED PAPERS													
Data-FSC	White wood-free machine-finished paper.	70	Permanent		•	•••				••			
Vellum-FSC	White wood-free supercalandered paper.	70	Permanent / Extra Permanent / Removable		••	•••				•			
Redata-FSC	White uncoated paper made of 100% recycled fibres.	80	Permanent		•••								
Multitac Industrial Vellum	Multi-layer construction: Two white, wood-free Kraft backing papers and an uncoated paper between.	70	Extra Permanent		••	•••							
Jetlaser-FSC	White wood-free machine-finished paper.	70	Permanent			•••				••			
Jetlaser Multitac	Multi-layer construction: White wood-free machine-finished face on top of two kraft liners.	70	Permanent			•••							
COATED PAPERS													
MATT PAPER													
Raflamatt-FSC	Off-machine coated matt art paper.	80	Permanent	•••						••			
SEMI-GLOSS PAPER													
Raflacoat Plus-FSC	On-machine coated mid-gloss face paper.	80	Semi Permanent / Permanent / Extra Permanent / Removable / Deep Freeze / Textile	••	••		•••	•••		•••			
Raflabrite-FSC	On-machine coated mid-gloss face paper with Kraft Coated backing.	85	Permanent	•	•••		••						
GLOSS PAPER													
Raflagloss-FSC	Off-machine coated glossy art paper.	80	Permanent / Extra Permanent / Removable	•••				••			•		
Castgloss-FSC	Cast-coated, wood-free paper with mirror-like gloss finish.	80	Permanent / Extra Permanent / Removable	•••	••			••			•		
OPAQUE PAPER													
Raflamatt Opaque-FSC	Off-machine coated matt art paper. Grey reverse side to increase opacity.	84	Permanent		••	•				•••			
Raflacoat Opaque-FSC	On-machine coated mid-gloss face paper. Grey reverse side to increase opacity.	82	Permanent		••	•				•••			
Castgloss Opaque-FSC	Cast-coated, wood-free paper with mirror-like gloss finish. Grey reverse side to increase opacity.	82	Permanent		••	•				•••			
BOARD PAPER													
Coated Board 180-FSC	Coated mid-gloss, wood-free board.	180	Extra Permanent		••				•••	•			
Castgloss Board 170-FSC	Cast-coated, wood-free board.	170	Extra Permanent		••				•••				
Raflabrite 250-FSC	Coated, wood-free board.	250	Extra Permanent		••				•••				
Castgloss-FSC Postcard	Cast-coated face with a 180gr Kraft backing.	80	Permanent		••		•			•			
CLASSIC ASSORTIMENT													
Antique White WSA-FSC	Light-coloured, machine-finished, wet-strength paper that is alkali resistant and mould proof.	90	Permanent	•••				••			•••		
Antique Cream WSA-FSC	White, machine-finished, wet-strength paper that is alkali resistant and mould proof.	90	Permanent	•••				••			•••		
Velmart White WSA-FSC	White, machine-finished, embossed, wet-strength paper that is alkali resistant and mould proof.	90	Permanent	•••				••			•••		
Kraft Brown 70	Standard-ribbed, machine-glazed, brown Kraft paper made with long-fibre resinous pulp.	70	Extra Permanent	••	•••			••			••		
COLOURED PAPER & FOILS													
Fluor-FSC: Green, Lemon, Orange, Red, Pink	Wood-free paper with fluorescent coating.	78	Permanent		••	•••							
Vellum-FSC: Blue, Green, Red, Yellow	Wood-free stuff dyed supercalandered paper.	80	Permanent		••	•••							
Foil-FSC: Bright gold, Bright/Matt silver	Thin aluminium foil laminated to wood-free paper.	72	Extra Permanent	••	•••			•					

Standard sheet sizes availability: Depends on face and adhesive combination. Please, contact an UPM Raflatac merchant for further information.

Backing combination: Solid or scored, printed or unprinted. Please, contact an UPM Raflatac merchant for further information.

End use & special applications: • Fair, •• Good, ••• Excellent

Printability: Papers suitable for conventional and UV offset technologies,

Films suitable for UV offset technology. Special inks designed for non-absorbent materials should be used.

OFFSET PRODUCT RANGE: FILM				END-USE & SPECIAL APPLICATIONS									
Face Quality				Product	Promotion	Transport & Logistics	Inserts / Stickers	Food	Displays & point of sales (high-rigidity)	Retail, Block-out label	Wine, beverage and decorative labeling	Industrial, water, oil and chemicals resistant	Outdoor
UPM Raflatac	Description	Face (gr/m ²)	Adhesive										
POLYETHYLENE FILMS													
PE Clear Offset	Transparent, glossy, print-varnished polyethylene film.	94	Permanent									•••	
PE White Offset	White, glossy, top-coated polyethylene film.	98	Permanent / Removable									•••	•••
PE Matt White TC 100	White, matt, top-coated polyethylene film.	94	Permanent	••								•••	•••
Polyprint 100	White, matt-coated polyethylene film.	80	Permanent	••				•		•			
Security White PE	White, matt, clay-coated cavitated polyethylene film.	60	Permanent	••		•••							
POLYPROPYLENE FILMS													
PP Solid White TC 60	White, glossy, biaxially oriented, top-coated polypropylene film	57	Permanent						••			•••	••
PP Clear TC 50 P	Transparent, glossy, biaxially oriented, top-coated polypropylene film	47	Permanent / Removable						••			•••	
Forest PP Clear	A clear, glossy, biaxially oriented, top-coated polypropylene film.	45	Permanent					•••				••	••

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