

RAPIDMASK

Step by step

Work with RapidMask is very easy. However, by following steps below you will achieve the best results with RapidMask stencil production:

1. Print out your artwork in negative onto special printing film

ARTWORK

- Use graphic programme for your artwork (CorelDraw etc.)
- Negative artwork (black background and white logo)
- Black colour is R:0 G:0 B:0 or C:0 M:0 Y:0 K:0

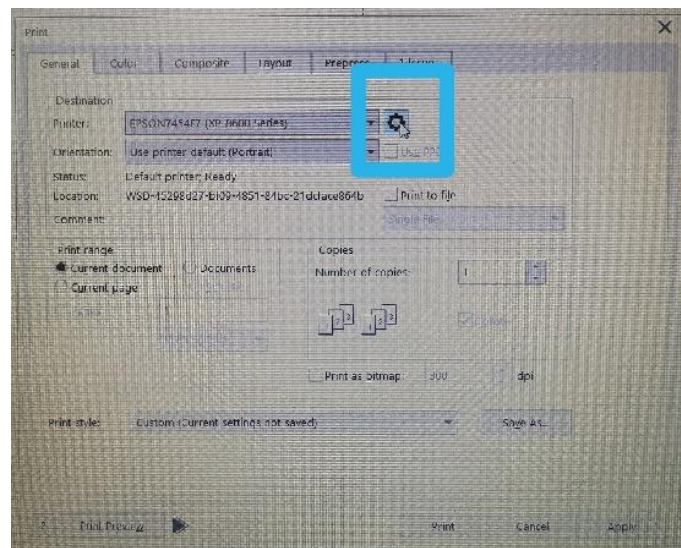
PRINTING FILM

- If you have injekt printer, use **InjektFilm**-print on sticky side of sheet (you recognize it by leaving printout on sheet, sticky and matt side)
- If you use laser printer, use **LaserFilm**-doesn't matter which side you print on, use Toner Density Spray (it will increase colour density)



PRINTER SETUP

- Make sure that your printer setup is correct (default settings is not enough)
- Setup for your printer: highest quality outcome (high density), black and white spectrum (or greyscale), glossy premium/high gloss paper



2. Clean your glass

Clean every piece of glass before stencil application-even you think that glass is clean, it might keep marks of oil/dirt/dust. If your glass is not cleaned, the stencil won't hold into glass as much as it should be (risk of blow off while sandblasting). Do not use alcohol based cleaners (can influence adhesion of stencil)



3. Exposure your artwork

Do not use DIY UV light box (no guarantee that exposure will be correct).

UV light box WITHOUT vacuum is recommended for hobbyist and small production.

UV light box WITH vacuum is necessary in medium/large production (exposures film quicker than non-vacuum box and thanks to vacuum the perfect and correct exposure is guaranteed, also its working area is bigger (A4/A3 format).

Depends on placing the bulbs in your light box, place sheets into light box in following order:

Bulbs – artwork (printing side facing soft/matt side of RapidMask) – RapidMask (soft/matt side facing printing side of artwork)

Recommended exposure times:

UV exposure unit - HELLAS (vacuum)				
Product	50μ	75μ/87μ	100μ/125μ	250μ
RapidMask	35 sec.		55 sec.	

UV exposure unit - no vacuum				
Product	50μ	75μ/87μ	100μ/125μ	250μ
RapidMask	55 sec.		90 sec.	

4. Cut the logo out of sheet

Cut unnecessary mask off (bright colour=adhesion, dark colour=sandblasting area). Less dark coloured mask stays on glass, the less your cabinet be dirty from pieces of RapidMask



5. Remove slip sheet from mask

For quick remove use piece of masking tape.



6. Breathe onto mask/glass and apply mask onto glass

Increase mask adhesion and avoid later troubles. Unless you press the mask onto glass, you can reposition mask if needed

7. Apply pressure to mask from centre of mask towards the edges

Always remove bubbles from underneath mask from centre of logo towards the edges (bubbles moving across logo could damage the mask)



8. Remove carrier sheet from mask

Use razor blade, finger nail or piece of masking tape.



9. Use squeegee with rubber roller to apply pressure on mask

10. Use BubbleEx for removing bubbles

BubbleEx performs bubbles in area of sandblasting. These areas are not sticky so if there are bubbles, they will lift the protection areas (brighter colour mask) and you'll damage glass

11. Check your stencil and if needed, use again squeegee/fingers to press stencil onto glass

12. Use masking tape and cover area around logo

13. Insert glass to sandblasting cabinet

If you have more pieces of glass to sandblast, put them into dark box and sandblast one after second. Don't leave glasses with applied mask on the table

14. Sandblast logo

Recommend to use 180/220 mesh (aluminium oxide) for fine lines and detailed graphic (or halftones), for deep sandblasting and thicker lines it can be mesh 150.

Recommended pressure 2.5-3 bars.

Hold the sandblasting gun in 90 degrees angle against the glass

Sandblast all logo and sandblast away layer after layer of RapidMask (do not concentrate to one sport, move sandblasting gun from side to side in small circles)

15. Clean the glass