



GLASS ENGRAVING

S U P P L I E S

PHOTO-RESIST FILMS

BROCHURE

2021



GLASS ENGRAVING
S U P P L I E S

Content

Comparison by thickness

Photo resist films features

Sandblastable material compatibility

RapidMASK

R Series

UltraPro

MM Series

ImagePro Super

ImagePro Red



GLASS ENGRAVING SUPPLIES

Comparison by thickness

Photo resist film	2 mil	3 mil	4 mil	5 mil	6 mil	10 mil
RapidMASK Dry process film. No washout required. 2 mil is designed for high detail artwork. 4 mil is high tack version for deep sandblasting. Good for halftones.	X		X			
R series Comes in 3 mil and 5 mil. Repositionable, flexible, durable, high details feature. Out best seller!		X		X		
UltraPro Our stickiest film! UltraPro has water-based adhesive layer, so the film will never stain the surface. Perfect for acrylic and lacquered metal.		X		X		
MM series Our MM series was designed for monument industry and deep sandblasting. Also great for powder-coated tumblers and long blasting.					X	X
ImagePro Super This non-adhesive film was our first sheet film. Use blastable adhesive glue to apply stencil to the surface.		X				
ImagePro Red This film was designed specifically for high humidity areas. It provides accelerated drying times and easy carrier removal.		X				

Surface features

Product	Self-Adhesive?	Applicable on polished Surfaces?	Applicable on bellied Surfaces?	Applicable on rough Surfaces?
RapidMask	YES	YES	DEPENDS	NO
R-series	YES	YES	YES	DEPENDS
UltraPro-series	YES	YES	YES	YES
ProRed	NO	YES	YES	YES
ProSuper	NO	YES	YES	YES
MM-series	YES	YES	YES	YES

Blasting features

Product	Grit size	Blasting pressure (suction blast system) for 5 mm blasting nozzle diameter
RapidMask-series (2 mil/4 mil)	180 - 220 mesh	40 - 60 psi (2.7 - 4.0 bars)
R-series (3 mil/5 mil)	150 - 220 mesh	30 - 40 psi (2.0 - 3.0 bars)
UltraPro-series (3 mil/5 mil)	180 - 220 mesh	30 - 40 psi (2.0 - 3.0 bars)
ProRed (3 mil)	150 - 220 mesh	40 - 60 psi (2.7 - 4.0 bars)
ProSuper (3 mil)	180 - 220 mesh	40 - 60 psi (2.7 - 4.0 bars)
MM-series (6 mil/10 mil)	60 - 120 mesh	70 - 110 psi (5.0 - 7.5 bars)

Sandblastable material compatibility

Material	Surface sandblasting	Deep sandblasting
Glass	X	X
Ceramic	X	X
Porcelain	X	X
Marble	X	X
Stone	X	X
Concrete/Brick	X	X
Wood	X	X
Tile	X	X
Powder coated products	X	X
Filled bottles (wine bottles, whisky bottles etc.)	X	X
Aluminium	X	
Fragile items (eggs, ornaments etc.)	X	
Tempered glass	X	
Acrylic	X	
Fabric	X	
Coated metals	X	
Painted metals	X	
Cloth	X	
Leather	X	
Wood Veneer	X	
PVC	X	
Matte Board	X	
Mylar	X	
Pressboard	X	
Fiberglass	X	

A stylized green frog logo is positioned behind the text. The frog is depicted in profile, facing left, with a large eye and a wide mouth. The logo is rendered in a solid green color.

Rapid**MASK**[®]

RapidMASK®

The only photoresist film on the market today that requires no washout.
The fastest one, just EXPOSE - APPLY - BLAST !

AVAILABILITY

HD (high detail) = 2 mil / 50 micron and **HT (high tack)** = 4 mil / 100 micron

The best film for flat glass, cylindrical glass shapes,
polished flat surfaces (ie. glass, stone).

Ideal for trophies and awards sandblasting decoration,
whiskey/tumbler/long drink glassware etc.

REQUIRED EQUIPMENT

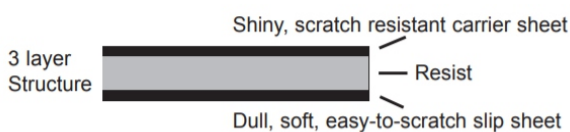
Computer generated artwork and inkjet / laser printer
UV exposure unit
Sandblasting cabinet with media



BLASTING SETTINGS

Pressure pot : HD = 1-2 bar / HT = 2-3 bar
Ventori system : HD = 3-4 bar / HT = 4-5 bar

For most applications, 180 grit is recommended
(220 grit for halftones above 40 dpi)



Light sensitive product

Etch your graphic within 24 hours
to avoid film deterioration

Opposite printout than other
photoresist films
CLEAR=BLAST

Dry processing

Self adhesive

Low cost sandblasting

Ideal for beginners

Simple and productive
sandblasting

**Any further question?
We are happy to help you!**



PHOTORESIST



PHOTORESIST



The all rounder film type for simple, productive, enjoyable sandblasting that will not let you down!

AVAILABILITY

R3 (3 mil) = 75 micron / **R5 (5 mil)** = 125 micron

The best film for glass (flat/cylinder/curved etc.) and other polished shapes which require film elasticity and film resistance.

REQUIRED EQUIPMENT

Computer generated artwork and inkjet / laser printer
UV exposure unit , Washout equipment
Sandblasting cabinet with media



BLASTING SETTINGS

Pressure pot : 2-3 ba(
Ventori system :3-4ba(

For most applications, **180 grit** is recommended
(**220 grit** for halftones above 40 dpi)

Made stencils can
be used in years

Can be washout in sink
(halftones, hairline lines excl.)

Made stencils with
unlimited shelf live

BLACK = BLAST

Repositionable
•
Fast UV exposure
•
Fast drying
•
Easy handling
•
Superior resistance
•
High resolution

**Any further question?
We are happy to help you!**

UltraProTM
Self-Adhesive Photoresist Film

UltraPro™

Self-Adhesive Photoresist Film

Strong adhesion, high detail, elasticity and no residue!
That's our amazing self-adhesive photoresist film UltraPro!

AVAILABILITY

UltraPro (3 mil) = 75 micron / **UltraPro (5 mil)** = 125 micron

The best film for any difficult shapes and surfaces - curved and bellied glass, ceramics, stone, metal, wood etc.
Ideal for multi-level stage carving!

REQUIRED EQUIPMENT

Computer generated artwork and inkjet / laser printer
UV exposure unit , Washout equipment
Sandblasting cabinet with media



BLASTING SETTINGS

Pressure pot : 2-3 bar
Ventori system : 3-4 bar

For most applications, **180 grit** is recommended
(**220 grit** for halftones above 40 dpi)

Photo resist film with the strongest adhesion

•
Can be washout in sink (halftones, hairline lines excl.)

•
Made stencils with unlimited shelf live

•
BLACK = BLAST

Strong self adhesion

•
Fast UV exposure

•
Fast drying

•
Flexibility

•
Superior resistance

•
High resolution

**Any further question?
We are happy to help you!**

MMMH

MEGAMASK 6 MIL PHOTORESIST

MMMX

MEGAMASK 10 MIL PHOTORESIST

New generation of photoresist film that offer an alternative to plotter-cut or hand-cut vinyl!

AVAILABILITY

MMHD (10 mil = 150 micron)

MMHD is photoresist film that is similar to MMX, but designed for higher detail masks.

MMX (10 mil = 250 micron)

MMX provides deep etching ability similar to vinyl while offering the quick and easy process of a photoresist. Achieve better image quality with no hassle of weeding!

REQUIRED EQUIPMENT

Computer generated artwork and inkjet / laser printer
UV exposure unit , Washout equipment
Sandblasting cabinet with media



BLASTING SETTINGS

Maximum pressure 80-100 PSI (5-7 bars)
Recommended grit size 60-180 mesh

Made stencils can be used in years

Superior resolution compared to standard vinyl

Excellent contrast for easy positioning

BLACK = BLAST

Self adhesive

Deep etching ability

Detailed resolution

Simple clean up

Zero adhesive residue

No hassle of weeding

**Any further question?
We are happy to help you!**

FLYER

ImagePro[®] Super

ImagePro[®] Super

Working under most climate conditions and providing you a simple, productive and enjoyable sandblasting experience.
That's our ImagePro Super!

AVAILABILITY

ProSuper 3 mil = 75 micron / **ProSuper 5 mil** = 125 micron

The best film for those who prefer non adhesive photoresist film and using an adhesive for a mask application.

REQUIRED EQUIPMENT

Computer generated artwork and inkjet / laser printer
UV exposure unit , Washout equipment
Sandblasting cabinet with media



BLASTING SETTINGS

Pressure pot : 2-3 bar

Ventori system : 3-4 bar

For most applications, **180 grit** is recommended
(**220 grit** for halftones above 40 dpi)

Made stencils can be used in years

Can be washout with hand spray gun in sink (halftones, hairline lines excl.)

Made stencils with unlimited shelf live

BLACK = BLAST

Non adhesive

High durability in cool, dry areas

Detailed resolution

Flexibility

Excellent pliability for curved surfaces

**Any further question?
We are happy to help you!**

ImagePro[®] Red

ImagePro[®] Red

This precision-coated photoresist film is designed to repel moisture in high humidity areas of the world, provide accelerated drying times and easy carrier removal.

AVAILABILITY

ProRed 3 mil = 75 micron / **ProRed 5 mil** = 125 micron

**The best film for those who like to work with non adhesive films and adhesive.
The ultimate in humidity resistant film!**

REQUIRED EQUIPMENT

Computer generated artwork and inkjet / laser printer
UV exposure unit , Washout equipment
Sandblasting cabinet with media



BLASTING SETTINGS

Pressure pot : 2-3 bar
Ventori system : 3-4 bar

For most applications, **180 grit** is recommended
(**220 grit** for halftones above 40 dpi)

Made stencils can
be used in years

Can be washout with hand
spray gun in sink
(halftones, hairline lines excl.)

Made stencils with
unlimited shelf live

BLACK = BLAST

Non adhesive
•
High durability in hot,
humid areas
•
Detailed resolution
•
Flexibility
•
Easy clean-up

**Any further question?
We are happy to help you!**



GLASS ENGRAVING

S U P P L I E S

**Any further question?
We are happy to help you!**

www.glassengravingsupplies.co.uk | michaela.ohalloran@crystalgalleries.co.uk | 07704 643173

 [@glass_engraving_supplies](https://www.instagram.com/glass_engraving_supplies)  [@glassengravingsupplies](https://www.facebook.com/glassengravingsupplies)