

CRESSMARK - GLASS MARKING SYSTEM

By the use of carefully formulated acid etching creams and pastes, a variety of markings such as **logos, B.S. Safety Identity Markings and Patterns** utilising the screen printing method, can easily be achieved on glass. In addition free-hand decoration, such as **glass manifestation**, using self-adhesive masking, may be carried out on site as well as in workshop conditions.

These creams and pastes are produced using low levels of Biflouride (<5%) and Sulphuric Acid (<5%) which are comparatively safe to work with and, when using with screen printing methods, have a limited etch depth of 8 microns.

In this respect there is no effect on the structural qualities of the glass and may, therefore, be **safely used on laminated, toughened and fire-resistant glasses, etc.**

Surface preparation is an essential routine to be observed if even results are to be achieved. The use of Methylated Spirits or Industrial Alcohol is recommended to degrease surfaces to be etched with **Cressmark Creams and Pastes**.

GLASS IDENTITY

The permanent marking of glass using **Cressmark Etching Paste** and suitably prepared printing screen enables the user to identify glass either in workshop conditions or on site.

The system comprises:

Framed printing screen - approx. 150mm square, with your logo/identifying lettering.

Polyurethane Squeegee - to push Cressmark Paste through screen design

Cressmark Paste -500 gram tub - should produce approximately 1000 no. 25mm dia. logos.

Design of Markings:

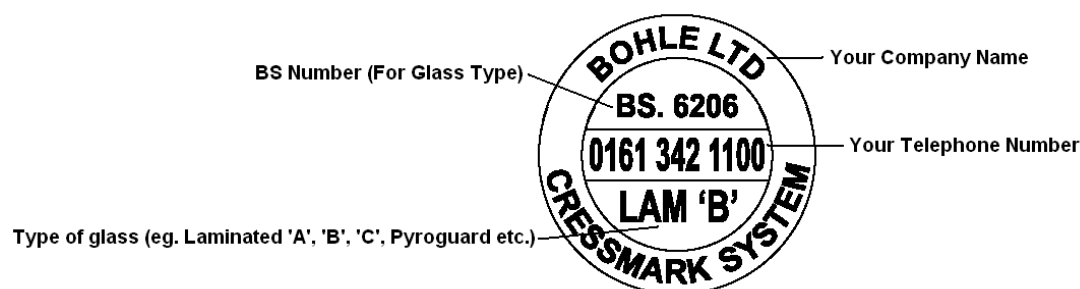
Your own design/logo will be processed through our computer-generated artwork service and by use of your fax machine a fast turn-round in design approval can be achieved.

A 25mm diameter standard roundel format has been developed to provide all that you need to identify the glass product you are marking and leave room for your details also.

Details of this are shown on the following page.

CRESSMARK GLASS MARKING SYSTEM

Standard Design: Computer-generated film positive, to your own design specification.



What you need to do:

On the opposite sheet you will find an order form containing a ready-to-use standard design layout. **Please photocopy this**, leaving the original for future use.

1. Fill in all your details on the blank roundel design (using CAPITAL letters)
2. **Email or fax this completed order form to us on :**
info@bohle.ltd.uk or 0161 344 0111
3. We will email or fax you back with a copy at actual size of your design (25mm dia.)
4. Check the copy for correct wording, numbering and spelling.
5. Email or fax the signed copy back to us and we will proceed with making of the film positive and stencil onto the frame. (Maximum of two roundels of the same design per frame).

Delivery takes 3 – 4 weeks from your signed confirmation of the artwork details.

BO 60EPX01 - Artwork, design producing film positives

BO 60EPX05 - Screen/frame with your design on

BO 60EPX06 – Standard Lam Screen BS EN: 14449

BO 60EPX15 - Polyurethane squeegee 45mm

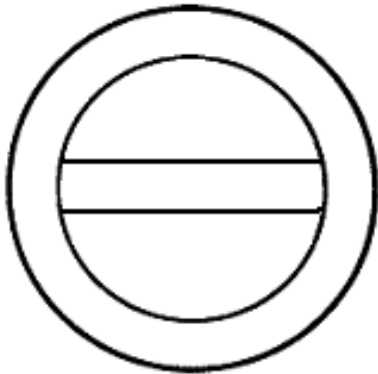
BO 60EPX20 - Cressmark Paste ready-to-use

(500 grams will sufficiently make more than 1,000 markings)

BO 60EPX19 - Wooden Spatula 150mm (For stirring paste)

PLEASE PHOTOCOPY THIS SHEET FOR FUTURE USE

CRESSMARK ORDER FORM
EMAIL OR FAX TO BOHLE – info@bohle.ltd.uk or 0161 344 0111



For specialist design, please enclose your logo separately

Additional artwork will incur an extra cost to be advised upon receipt or order

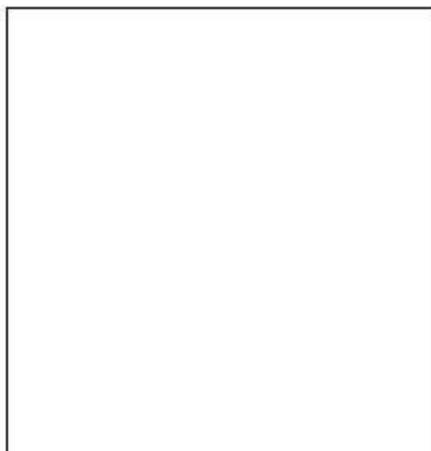
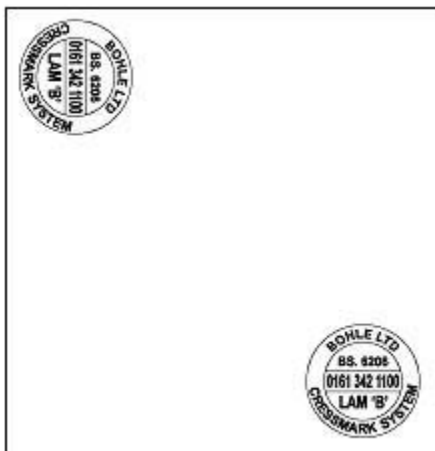
(Stencil shown enlarged, actual size of the stencil is 25mm)

Company Name	Ref/Order No
Address	Date
Telephone No	Fax No.
Contact Name	

Please note: Each frame will be supplied in the Standard Stencil Position unless indicated by yourselves.

Standard Stencil Position

Alternative Stencil Layout



Number of Frames required _____

**Maximum of 2 artwork designs per frame (extra charges may be incurred).*

For additional frames with a different artwork, please complete separate order forms with requirements.

GLASS DECORATION and GLASS MANIFESTATION

Cressmark Cream - A low viscosity Glass Etching Cream developed for application by brush, roller or squeegee, either to produce an overall matting effect or, for glass manifestation purposes, by using self-adhesive masking tape or vinyl film.

The viscosity of the product allows for **easy on site/in-situ application**.

BO 60EPX19 - Wooden Spatulas 150mm (For stirring cream)

BO 5007614 – Anti-fogging Safety Glasses

IMPORTANT STORAGE AND APPLICATION INSTRUCTIONS

Storage of Cressmark Pastes and Creams should ideally be at temperatures above 18°C and always with the lids on the containers.

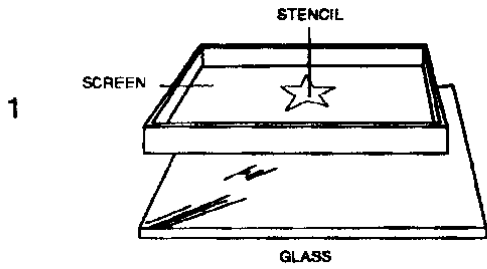
At temperatures below 18°C, for example in a colder external environment, crystals will begin to form in the product and the consistency will begin to stiffen.

These crystals may be removed by immersing the paste or cream container (with its lid off) into a quantity of hot water, ensuring that water does not come into contact with the contents. Then by carefully but thoroughly stirring the contents with a wooden or plastic spatula, these crystals will gradually dissolve returning the product to its former consistency.

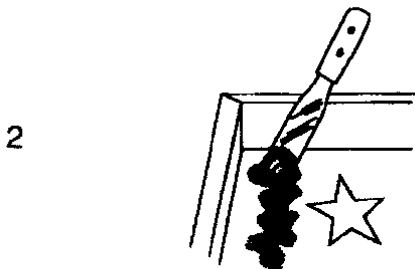
Note: Cressmark Pastes and Creams are supplied in outsize containers to facilitate the safe stirring and dispensing of these materials. Stirring is essential before and during use.

CRESSMARK GLASS MARKING SYSTEM

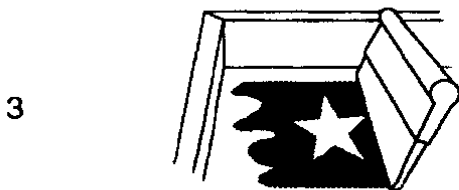
PLEASE FOLLOW THESE INSTRUCTIONS CAREFULLY, AS FAILURE TO DO SO MAY CAUSE THE FRAME TO BREAK DOWN. ANY NEW FRAME SUPPLIED, AS A RESULT OF NOT DOING THIS WILL BE CHARGEABLE.



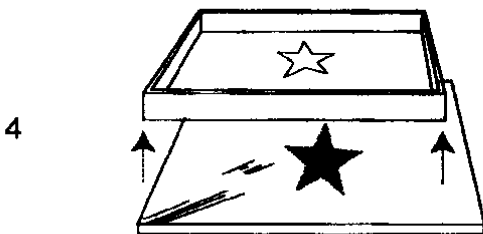
Clean the glass area with meths. Allow the meths to fully evaporate from glass. Place frame onto glass so that stencil touches glass in the required location.



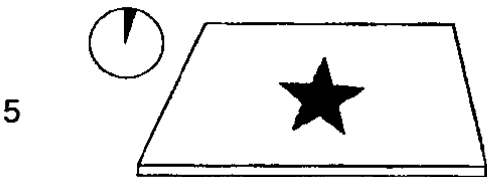
Mix Cressmark paste thoroughly using spatulas. Then apply a very small amount of paste to the blade tip of the squeegee or alternatively near to stencil area. The quantity of paste if put inside the frame should be a bead of 5mm diameter and longer than the widest point of the stencil. This amount should be maintained during a multiple run.



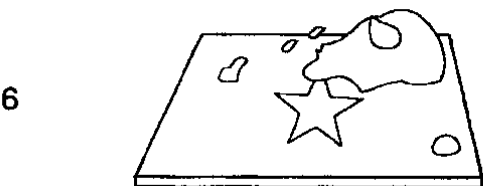
Hold frame tightly on to glass and gently press paste through stencil onto glass using squeegee, keeping the squeegee as vertical as possible. Do not allow frame to slip or move.



Lift frame off glass carefully to avoid smudging design. If any excess paste left, gently scrape from screen and return it to the container. **IMMEDIATELY** after finishing, spray both sides sparingly with clean water, taking care not to inhale any odour and then dry with clean cloth or paper towel. Check that the frame is now completely paste free and also hold the screen up to the light to ensure there is no paste residue blocking the artwork. Wipe the blade of the squeegee with a damp cloth and dry.



Allow the paste to stand on the glass for a maximum of 2-3 minutes.



Wipe the glass with a clean cloth. Use water sparingly. Do not inhale odour.

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At temperatures below 18°C, for example in a colder external environment, crystals will begin to form in the product and the consistency will begin to stiffen.

These crystals may be removed by immersing the cream or paste container (with its lid off) into a quantity of hot water, ensuring that water does not come into contact with the contents. Then by carefully but thoroughly stirring the contents with a wooden or plastic spatula, these crystals will gradually dissolve returning the product to its former consistency.

Note: Cressmark Pastes and Creams are supplied in outsize containers to facilitate the safe stirring and dispensing of these materials. Stirring is essential before and during use.

CRESSMARK PASTE & CREAM HEALTH & SAFETY
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General

Information as to the safe handling of these products is detailed below. Details concerning the presence of chemicals with exposure limits have been included to assist in the maintenance of a safe working environment as well as providing information for the purposes of satisfying the requirements of COSHH.

Flashpoint None

Chemicals with exposure limits:

Ammonium Bifluoride (less than 5%)

Sulphuric Acid (less than 5%)

Treat as a strong oxidiser which is corrosive.

Eye Contact: Careless handling may result in product coming into contact with the eye:

Effects: **Will cause severe corrosion and may lead to permanent damage.**

Prevention: Wear eye protection, such as goggles or chemical resistant glasses to BS 52092-C

First-Aid: Flush eyes with clean water or eye bath solution for 10 minutes. Seek medical advice.

Skin Contact: Contact of the products with the skin may happen during mixing of the paste and thinner and charging or cleaning of the mesh when using the paste.

Effects: This contact can cause pain and blistering.

Prevention: When handling products, gloves and a protective apron must be worn.

First Aid: Splashes of products on the skin must be removed immediately with large amounts of clean water.

Ingestion: Swallowing of the products should always be avoided. Transference to the mouth can take place from the hands, and therefore before consuming food or drink always wash the hands with soap and water before eating or drinking.

Effects: Blistering of the mouth and throat can occur leading to severe pain which may cause loss of consciousness. Re-inhalation of the vapours may cause dizziness and headaches.

Prevention: Good personal hygiene must be maintained at all times.

First Aid: If conscious give milk or water to drink. Do not induce vomiting. Seek medical advice. **DO NOT** give anything by mouth to an unconscious person.

Inhalation & Ventilation: Acidic vapours are produced whenever the container is opened and especially when the products are on glass. Do not inhale vapour. Adequate ventilation must be provided when the products are in use. Vapours of **Cressmark** products are heavier than air.

Effects:	Exposure to prolonged or high levels of Cressmark products vapours can give rise to irritation, dizziness, nausea and headaches.
Prevention:	Inhalation of the fumes or vapours should be avoided either by using efficient ventilation extraction or in areas of low concentration a suitable mask can be worn. To reduce the vapour concentration of the wash-water booth, ducting should be provided to outside the working area.
First Aid:	Move the affected person from the area to fresh air. Allow patient to rest. If recovery is not rapid, summon medical aid and advice.

Storage Precautions: All Cressmark products should be stored at room temperature (18°C) in a dry place away from sources of heat and water. Cressmark products should be kept separate from combustible or flammable materials. When not in active use, containers should be resealed to reduce the risk of spillage or fumes.

Spillage and Disposal

Absorb the spillage with any inert material such as sand. Scrape up and place into a plastic container. Do not flush down the drain or sewage system. Follow local regulations for disposal. Cressmark products can be incinerated or treated as toxic land-fill.

Fire Fighting

Use dry powder, foam, spray or carbon dioxide extinguishers. Wear self-contained breathing apparatus for large fires.

HEALTH & SAFETY

UN2817

Contains Bifluorides + Sulphuric Acid

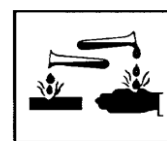
R.25 Toxic if swallowed

R.34 Causes Burns

S.2 Store out of reach of children

S.26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S.28 After contact with skin, wash immediately with plenty of water



CORROSIVE