

Permaset®



PERMASET® Standard Binder

PERMASET® Standard Binder is a speciality product that is typically used when pigment/dye bleeding or washout problems occur. This form of bleeding manifests as colour either rubbing off a fully cured print, or washing out of the printed garment, so much so that it might either colour the washing water and/or colour other garments in the wash.

These problems usually result from too much pigment concentrate/colorant having been added. It should be noted that, whilst **PERMASET® Standard Binder** is ideal for addressing washout problems, used alone, it will result in a significantly stiffer handle.

DIRECTIONS FOR USE

PERMASET® Standard Binder should only be added under vigorous stirring.

Wear appropriate PPE, e.g. suitable gloves, respirator and goggles, stand upwind from container.

- Generally, 10–20 % of **PERMASET® Standard Binder** per litre of ink (100–200 mL/L) should be sufficient and 5 minutes stirring should be ample.
- Use a bucket or clean mixing vessel that is at least 30% bigger than the volume of ink that you wish to mix. This extra 30% volume (ullage) is required to allow vigorous stirring.
- Shake the bottle of **PERMASET® Standard Binder** for at least one (1) minute before use.
- If there is any sign of skinning or lumps in the binder, then the entire contents should be strained before use.
- Pour the **PERMASET® Ink** to be adjusted into the mixing vessel.
- Place the mixing vessel under the mixer and ensure that it is securely fastened.
- Start the mixer and increase speed until a shallow vortex forms.
- Pour the **PERMASET® Standard Binder** slowly into the vortex and mix until incorporated. Use a spatula to ensure that all product is mixed in, particularly that around the sides and in the corners at the bottom of the container.
- The level of addition depends on the degree of washout or bleeding that needs to be adjusted for. Depending on the severity of the problem, it is good practice to start at the lower end and mix, test print, cure and wash. There may be a few iterations in that process. Again, it is good practice to keep records in a note book, possibly with pictures and/or fabric samples that will become a useful resource down the track.
- After stirring thoroughly, test print the ink and assess for bleed and/or wash resistance as appropriate. If the desired properties have not been attained, then repeat the addition, stirring, print and testing until the desired properties have been achieved.

Try to avoid mixing the ink for a long time. Check the temperature of the ink while mixing. Stop mixing immediately if the temperature exceeds 30 °C. If further mixing is required, then the ink must be cooled down prior to any further agitation. Mix again only after cooling.

CAUTION

The addition of **PERMASET® Standard Binder** will reduce the softness of the prints. This can be overcome with the addition of 1-2 % **PERMASET® Fabric Softener**.



STORAGE & HANDLING

Containers should be kept in a cool dark place out of direct sunlight and away from sources of heat. Containers should be tightly closed when not in use. Keep out of reach of children.

SHELF LIFE

PERMASET® Standard Binder has a shelf life of at least 12 months in the original sealed containers if stored at temperatures between 5–25 °C. Once containers have been opened, the contents should be used quickly. Containers should be closed tightly after use.

The shelf life of the ink mixture will depend storage conditions and housekeeping. Please refer to the **PERMASET®** Product Information Guide on housekeeping.

SAFETY NOTES

Please read the Safety Data Sheet (SDS) before using this product.

Use only in a well-ventilated environment, ideally fitted with fume extraction.

Respiratory Protection: If risk of inhalation of fumes exists, wear a combined organic vapor/particulate respirator complying with AS/NZS 1715/1716.

Eye Protection: Safety goggles.

Hand Protection: Neoprene, polyvinyl chloride (PVC) or nitrile rubber gloves.

FIRST AID MEASURES

If poisoning occurs, call Poisons Information Centre phone 13 11 26 in Australia or 0800 764 766 in New Zealand or a doctor.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Keep at rest until fully recovered. Seek medical assistance, if you feel unwell.

IF SWALLOWED: Rinse mouth with water. Do NOT induce vomiting. Immediately call a Poisons Information Centre phone 13 11 26 in Australia or 0800 764 766 in New Zealand or a doctor. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water.

IF ON SKIN (or hair): Take off all contaminated clothing. Flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

IF IN EYES: Immediately wash with running water. In all cases of eye contamination, it is a sensible precaution to seek medical advice.

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NOTE: The information and recommendations contained in this Product Information Sheet, as well as technical advice otherwise given by representatives of our business, whether verbally or in writing, are based on our present knowledge and believed to be accurate. However, no guarantee regarding their accuracy is given as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other materials vary. For the same reason, our products are sold without warranty and on condition that users conduct their own tests to satisfy themselves that they will fully meet their particular requirements. Our policy of continuous product improvement might make some of the information contained in this Product Information Sheet out of date and users are requested to ensure that they follow current recommendations.

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