



COMPUTALETA

## Specification Sheet: *Viponds Graffiti Proof*

<u>TRADE PRICE</u>	
1 litre	\$51.95 + GST
Cross linker	\$8.15 + GST

### DIGITAL LIQUID LAMINATES

Water based clear protective coatings for inkjet vinyl media

**It is important that you read the following specifications and instructions on the use of Graffiti Proof before application.**

#### Description

Graffiti Proof is a two part water based clear that has been formulated to apply onto digitally printed substrates to provide protection against graffiti paints. It offers the same properties as UV Digi Clear but has superior chemical resistance to allow the removal of graffiti. Graffiti Proof remains flexible and also contains UV absorbers that will provide the same level of UV protection as UV Digi Clear.

#### General

Most graffiti is created using aerosol paints which are enamel or acrylic based. The Graffiti Proof Clear is resistant to attack from the solvents in these paints. It is important to remove graffiti quickly to make removal easier. There are also felt tip permanent markers that are used. Some of these cannot be completely removed from the Graffiti Proof because the dye stains the clear and a residual amount remains. These stains can however be removed carefully with a scotch brite pad and then recoated with the clear. On some prints the Graffiti Clear can be peeled off – in this instance the Graffiti Clear becomes a sacrificial coating.

#### Permanent or Sacrificial

The adhesion of Graffiti Proof onto digital prints will vary depending on the substrate and ink used. On some prints the Graffiti Proof can be removed (peeled off) without damaging the print allowing the graffiti to be removed. The print can then be recoated with Graffiti Proof. If a more permanent bond is required then apply one coat of UV Digi Primer and then one coat of Graffiti Proof. Digi Primer was introduced to improve the adhesion of liquid laminations onto prints using the new generation eco solvent inks.

#### Use

Graffiti Proof is water based and therefore can only be used on substrates, inks or pigments that are NOT water sensitive. Always test before using and check adhesion.

## Surface Preparation

The success of this product is determined by the level of adhesion to the substrate and ink. Generally no surface preparation is required, but if the surface is contaminated then the Graffiti Proof may not wet the surface and cissing (does not form a continuous film or may form beads on the surface) may occur. A second application of the Graffiti Proof may solve this problem. If cissing occurs, then a wipe over with a damp cloth prior to application may help. It is also important that the ink is completely dry to prevent outgassing.

## Preparation

The cross linker is added at a rate of 12.5 ml per litre of Graffiti Proof. Gently stir in the cross linker (do not shake). Allow to stand for at least 15 mins then stir again before application. The cross linked Graffiti Proof maintains its reactivity for approx 24 hours. This mixture can be reactivated by the addition of more cross linker and used again.

## Application

This product will sometimes bubble on application. This can be caused by the type of substrate, ink system or method of application. The best method of application is spraying or using a paint pad applicator. Brushing and rolling agitates the liquid and will cause bubbles etc. This product dries quickly in temperatures above 20 deg C. One coat applied at a rate of 16 square metres per litre per coat will give some scratch and solvent resistance but a minimum of two coats is required for Graffiti protection.

## Drying

Do not apply if the temperature is below 10 deg C. Under normal drying conditions it will be touch dry within 20 mins and can be recoated after 1 hour. Allow at least 2 hours for full cure. Allow overnight drying before rolling up prints. This product can be forced air dried.

## Gloss Level

Graffiti Proof dries to a gloss finish. A lower gloss finish can be obtained by addition of the Tauflex Matting Agent but this will reduce the effectiveness of the graffiti properties and the exterior durability of the clear.

## Removing Graffiti

If your print gets vandalized, you can either wipe off the offending marks using a NON alcohol based product, or, depending on the adhesion to the print, you can simply peel off the Graffiti Proof layer and recoat it. It is not recommended to use alcohol type solvents such as methylated spirits or isopropanol alcohol (IPA) as they will soften the Graffiti clear.

## Testing

The digital print market is continually changing, with new substrates and inks being offered on a regular basis. It is recommended that the customer tests the product first for their own particular application. The important part to test for is the adhesion.