



# Barricade<sup>®</sup> PU-NS Gloss

Non-sacrificial, polyurethane, anti-graffiti coating.

## DESCRIPTION

Barricade<sup>®</sup> PU-NS Gloss is a premium, 2 part, polyurethane, non-sacrificial anti-graffiti coating, formulated for use on concrete, brick, masonry, over murals and painted surfaces.

Graffiti is easily removed with the use of any suitable commercially available graffiti removal product, without causing any adverse effect to the anti-graffiti coating.

## ADVANTAGES

Barricade<sup>®</sup> PU-NS Gloss delivers the following advantages;

- Non-sacrificial graffiti protection.
- Allows for complete graffiti removal.
- High durability and excellent weathering resistance.
- UV stable and suitable for exterior applications.
- Excellent cleaning solvent resistance.
- Excellent substrate adhesion.
- Excellent gloss retention.
- Provides an easy clean surface.
- Graffiti protection for up to 10 removal cycles before reapplication is required.
- Non-yellowing.

## AREAS OF USE

Barricade<sup>®</sup> PU-NS Gloss is suitable for use in the following areas:

- Concrete and masonry structures
- Vinyl and metal signage
- Over painted surfaces and murals

**Note:** For free standing surfaces where front, top and rear surfaces are exposed, Barricade PU-NS must be applied to all surfaces.

## SUBSTRATES

Barricade<sup>®</sup> NS Gloss is suitable for application on:

- Concrete
- Brick
- Masonry
- Metal
- Vinyl signage\*
- Painted surfaces & murals\*

\*Note: Refer to application process for full details.

## TECHNICAL DATA (@ 25°C)

Number of Coats:	2
Coverage: (per coat)	8 - 10m <sup>2</sup> /L
Pot Life:	± 3 – 4 hours
Wet Film: (per coat)	150-100 microns
Touch Dry:	± 3 hours
Recoat Window:	3 – 24 hours
Full Cure:	7 days
Colour:	Clear / Light Grey / Mid Grey / Dark Grey
Clean Up:	All Purpose Thinner / Lacquer Thinner
Shelf Life:	12 months

## ANCILLARY PRODUCTS

- Barricade<sup>®</sup> PU-NS Primer
- Crommelin<sup>®</sup> Contractor Membrane Applicator Brush – 100mm, 75mm
- Crommelin<sup>®</sup> Moisture Meter

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## SUBSTRATE PREPARATION

Full substrate preparation instructions can be found at [www.crommelin.com.au/full-instructions/](http://www.crommelin.com.au/full-instructions/)

- Concrete must be a minimum of 28 days old.
- Concrete should be mechanically prepared to have a rough, open finish.
- Surfaces should be sound and crack free. Repair all unsound areas with a suitable repair compound, installed as per the manufacturer's instructions.
- Surfaces must be clean and free from dust, grease, curing compounds, release agents, loose particles, efflorescence, concrete laitance or any other contaminant. Curing compounds, sealers and other laitance are best removed by vacuum shot-blasting, scarifying or sand blasting.
- Surfaces must be dry. The use of a professional grade moisture meter is recommended.
- Refer to NACE No.6/SSPC-SP13 for full concrete preparation details.
- Metal surfaces must be dry, rust free and clean from dust, grease, oils or any other contaminants. Areas of rust should be mechanically removed by abrasion.
- Refer to AS1627.0 for full metal preparation details.

**Note:** Due to the wide variety of substrates available, adhesion testing is recommended in a trial area before full application.

## APPLICATION CONDITIONS

- Application temperature between 10°C - 35°C.

## APPLICATION TOOLS

- Brush
- Quality short nap roller
- Airless spray gun

## PRIMING

- Surface priming is recommended for concrete surfaces, to prevent substrate colour enhancement - refer to:

### Barricade PU-NS Primer

**Important:** Primer must be cured for at least 24 hours before over coating.

## PRODUCT PREPARATION

- Mix part A thoroughly before adding part B.
- Add all of part B to all of part A, scraping the can to make sure that no material is left un-mixed.
- Only mixing full kits is recommended.
- If part kits are required, ensure that the correct mixing ratio is adhered to.
- Mix part A and B thoroughly, using a slow speed drill and spiral mixing paddle, at a maximum of 750 rpm. Avoid air entrapment.
- If a colour is required, add the required tint to the pre-mixed part A and B, scraping the can to make sure that no material is left un-mixed. Refer to Gecko<sup>®</sup> Colour Tints data sheet for dosage rates or refer to your Crommelin<sup>®</sup> representative.
- Pour homogenously mixed material into a suitably clean paint tray to maximise pot life.
- Do not thin.

## APPLICATION

Full application instructions can be found at [www.crommelin.com.au/full-instructions/](http://www.crommelin.com.au/full-instructions/)

- Ensure primer coat has cured for a minimum of 24 hours before over coating.
- Apply a mist coat of mixed material to primed surface and allow to dry.
- Apply coat 1 evenly by brush, short nap roller or airless spray.
- Ensure that coat 2 is applied within top-coat over-coating window.

### For painted surfaces, murals and signage:

- Apply a mist coat of mixed material to surface and allow to dry.
- Apply coat 1 evenly by brush, short nap roller or airless spray.
- Ensure that coat 2 is applied within top-coat over-coating window.

### Graffiti Removal:

- Graffiti should be removed within 24 hours using a suitable graffiti cleaner.
- After removal of graffiti, substrate should be washed with clean water.

**NOTE** – After removal check substrate for damage. After several removals it may be necessary to recoat.

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## COLOURS

- Clear
- Mid Grey
- Light Grey
- Dark Grey

## CLEAN UP

- Uncured material may be removed with All Purpose Thinner or Lacquer Thinner.
- Cured material may only be removed mechanically.

## MAINTENANCE AND REPAIR

- Remove all graffiti immediately – within 24 hours.
- Regularly clean coated areas with a pH neutral, mild detergent solution and rinse thoroughly.
- Any areas of damage must be repaired immediately.
- Areas of damage may be repaired by sanding the effected area to produce a mechanical key and re-application of suitable top-coat as required. Feather edge repair patch to minimise repair visibility.

## PRECAUTIONS

- A test patch is recommended prior to full application to access colour suitability and coating adhesion.

## WARRANTIES

A standard warranty period of 10 years is offered for Crommelin<sup>®</sup> Barricade PU-NS coatings, when applied as per technical data sheet and maintained as per appropriate maintenance schedule.

Extended warranties are available for project specific applications. Please contact your Crommelin<sup>®</sup> representative, or the Crommelin<sup>®</sup> technical support team for detailed specifications applicable to your project and warranty requirements.

## TRANSPORT AND STORAGE

- Part A: Clear Resin
- Size: 8L / 16L
- DG Class: 3
- UN Number: 1866
- Cool and Dry Storage
- Part B: Clear Resin
- Weight: 10KG / 18KG
- Hazchem: 3Y
- Packaging Group: III

## SAFETY AND FIRST AID

Barricade<sup>®</sup> PU-NS Gloss Safety Data Sheet is available from Crommelin<sup>®</sup> upon request.

### Safety

- Ensure good ventilation and avoid breathing vapours.
- Avoid skin and eye contact. Wear gloves and eye protection. Remove splashes on skin immediately and remove contaminated clothing.
- Keep out of reach of children.
- Keep container sealed when not in use.
- Do not swallow.

### First Aid

- If poisoning occurs, contact a doctor or poisons information centre: Ph. 13 11 26.
- If swallowed, do not induce vomiting. Give a glass of water to drink.
- If in eyes, hold eyes open and flood with water for at least 15 minutes.
- If not breathing, apply artificial respiration.

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Any advice, recommendation, information, assistance or service provided by Crommelin<sup>®</sup> in relation to its products or their use is given in good faith, however is provided without responsibility or liability.

Customers need to undertake their own assessment to determine the suitability of a product for the intended use. As the performance of any product is subject to a wide variety of different surface types as well as environmental and surface-specific conditions, it is essential that a sample of the product be applied to the intended area of use to ensure it is acceptable in appearance and finish and that it performs as required on the specific surface.

Crommelin<sup>®</sup> also reserves the right to update information without prior notice, to reflect ongoing research and product development.

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