

# TECHNICAL BULLETIN



19 Motivation Drive, Wangara, WA, 6065 AUSTRALIA  
T +61 8 9302 4000 | FREE 1800 999 196 | F +61 8 9302 5000

## GRAFFITI SHIELD F GRAFFITI PROTECTION

### MATERIAL & FUNCTION

**GRAFFITI SHIELD F** is an Environmentally friendly, water based acrylate polymeric system which, when applied over building surfaces, provides almost invisible protection against permanent defacement from graffiti attacks with aerosol spray cans etc. The film, when fully cured is completely colourless, non-yellowing and effectively seals the building surface against penetration of moisture and airborne pollution. A film biocide to reduce algae build-up on the surface is also incorporated. **GRAFFITI SHIELD F** has been in use in Australia for the last 20 years. Properly applied, **GRAFFITI SHIELD F** should provide protection for up to 5 years before recoating will be required.

### USES

**GRAFFITI SHIELD F** is ideal for graffiti protection on masonry, brickwork, textured building surfaces, wood and painted surfaces, which are subject to unexpected graffiti attack. **GRAFFITI SHIELD F** can also be coloured by the addition of dyes but this should be done by the purchaser. **ENVIRONEX** will not supply coloured product. Where continuous and repeated graffiti attacks occur, **GRAFFITI SHIELD G** is recommended.

### APPLICATION

**GRAFFITI SHIELD F** should be applied to firm, clean, dry surfaces only. **GRAFFITI SHIELD F** will respond adversely to the presence of contaminants or moisture.

**GRAFFITI SHIELD F** may be applied by brush, roller or airless spray equipment using a 5 - 15 thousand tip size, at a spread rate of 6 - 8 m<sup>2</sup> per litre per coat, 40 microns dry film build per coat. On sound, non-absorbent surfaces, the spread rate can be as high as 12 sq mtrs. Two coats should be applied 24 hours apart. **GRAFFITI SHIELD F** should not be applied if rain is likely within 4 hours of application, As the integral components of **GRAFFITI SHIELD F** are activated by evaporation of moisture and exposure to light. The building surface must be fully saturated for optimum protection.

Applicators should wear solvent resistant overalls, eye protection, PVC or rubber gloves and in poorly ventilated areas use type B acid gas respirators.

On most surfaces coated with **GRAFFITI SHIELD F**, the general appearance of the building will seem unchanged. A very slight gloss is apparent when viewed at an oblique angle although no darkening or change of colour of the surface will occur.

Removal of graffiti should be effected as soon as possible after defacement. Remove by application of **GRAFFITI SHIELD 400** or **CITRONEX** Graffiti Removers, with a stiff bristle brush, using a scrubbing motion, followed by thorough flushing with water to which **S 21 M P C** has been added at the ratio of 10:1. Depending on the removal method used it may be advisable to recoat the surface with **GRAFFITI SHIELD F** to ensure continued protection of the defaced area although two or more attacks can usually be sustained before recoating in the same area becomes necessary. If continued attacks are likely, application of **GRAFFITI SHIELD G**, the extra-long life cross linked acrylic urethane system is recommended.

### CLEANING

Clean up of equipment is by water.

### TECHNICAL DATA

Compound type	-	acrylic emulsion
Appearance	-	milky white liquid

Chemical Base	-	Volatiles 75% (volume)
pH	-	9.5 (approx.)
Specific gravity	-	1.0 kg/litre
Boiling point	-	100 °C
Flammability	-	No
Solvent odour	-	Nil
Curing - indoors	-	2 - 5 days
- outdoors	-	2 days
Weathering & UV	-	excellent
Recoating times	-	24 hours (same day under some circumstances.)
Temperature Application ranges: 10°C - 37°C ambient.		

#### **PACKAGING**

20 litre and 200 litre containers

#### **IMPORTANT NOTICE TO CUSTOMER**

*Since the use of this product is beyond the control of either seller or manufacturer, their only obligation shall be to replace any quantity of product which is proven defective. They cannot assume any risk or liability in excess of the purchase price of the product itself, which does not include labour or any consequential damages resulting from the use of this product. Determining the suitability of this product for any intended use shall be solely the responsibility of the user. **ALWAYS TEST FIRST.***