

HITCHINS

TECHNICAL DATASPEC

FORMGARD AGC September 2008

FORMGARD ANTI GRAFFITI COATING *Clear Moisture Cure Aliphatic Polyurethane*

Description:	<p>Formgard Anti Graffiti Coating is a clear, one pot, moisture cure aliphatic polyurethane coating which cures to provide a tough, durable, light stable protective film with outstanding resistance to solvents and excellent resistance to chemicals and abrasion.</p> <p>Formgard Anti Graffiti Coating is used as a permanent anti graffiti barrier to protect a wide range of substrates and surfaces against “tagging” from aerosol spray paints and marking pens. Graffiti is easily removed with Hitchins Home Safe graffiti cleaner and dozens of tag and removal cycles are possible without degrading the surface.</p>	
Areas of Use:	<ul style="list-style-type: none">• Exterior – Interior• Walls, Doors, Floors, Ceilings• Concrete, Brick, Stone, Plaster, Tile, Timber, Metal, Paint• Shops, Subways, Supermarkets, Train Stations, Schools, Car Parks, Toilets, Motorway Barriers, Monuments, Hotels, Motels, Bus Depots, Sports Facilities, Utility Supply Depots, Transformers, Fences, Factories, Colleges, Bridges, Reservoirs, Airports, Statues, Prisons, Restaurants, Offices, Hospitals, Shopping Malls, Signage	
Features:	<ul style="list-style-type: none">• Permanent protection from all types of graffiti media.• Designed for use with Hitchins Homesafe Graffiti Cleaner (low-toxic, biodegradable, low flammability, renewable resources.).• Applied to most surfaces.• One pot.• Easy to use – brush roller or spray.• Excellent weather resistance.• Outstanding solvent resistance.• Excellent abrasion and chemical resistance.	
Technical Data:	<p>Classification:</p> <p>Colour:</p> <p>Finish:</p> <p>Solids (weight %):</p> <p>Specific Gravity:</p> <p>Dry times (typical) at 20°C:</p> <p>Coverage Rate:</p> <p>Temp Range:</p> <p>Flash Point:</p> <p>Viscosity:</p> <p>Flexibility:</p> <p>Thin/Clean Up:</p> <p>Pack Size:</p> <p>Shelf Life:</p>	<p>Aliphatic Polyurethane – Moisture Cure</p> <p>Clear</p> <p>Gloss</p> <p>31%</p> <p>0.955 Kg/L</p> <p>4-5 hours</p> <p>9-15m²/L depending on porosity and texture</p> <p>5°C – 40°C</p> <p>24°C</p> <p>50 m Pas (Brookfield RVT #2)</p> <p>Pass 3mm mandrel</p> <p>Hitchins No 5 Thinners</p> <p>1L & 4L Steel Cans.</p> <p>1 year in original sealed unopened container</p>

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Surface Preparation:	<p>All surfaces – Remove all contamination and loosely adhering material to provide a sound, clean and thoroughly dry surface.</p> <p>Cementitious surfaces must have 28 days curing before coating work commences.</p> <p>Ensure all rectification work is completed and correct curing times allowed.</p> <p>Painted surfaces – Formgard Anti Graffiti Coating can be applied over most painted surfaces but it is strongly recommended that a small test area be carried out to check for compatibility and adhesion.</p>
Basecoats	<p>Hitchins Formwal 612 (coloured acrylic), Hitchins Traffigard (coloured acrylic) and Hitchins Formgard Bodycoat Clear (2 component clear polyurethane) all provide sound basecoats for Formgard AGC ensuring adhesion and compatibility to most substrates. N-B when Formgard AGC is coated over acrylic and water based paints – the dry / tack free time is prolonged, in some cases up to 16 hours. To achieve dry times 4-5 hours use Hitchins Formgard Bodycoat Clear as a tie coat, then apply Formgard AGC.</p>
Typical Systems	<p><u>Existing Painted surface – Good condition.</u> Apply 2 coats of Formgard AGC at 10-15 m²/L/coat Or Apply 1 coat of Hitchins Formgard Bodycoat Clear at 10-15 m²/L/coat And 1 coat of Formgard AGC at 10-15 m²/L/coat</p> <p><u>Upgrade existing painted surface – Defaced.</u> Remove as much graffiti as possible with Hitchins Homesafe Graffiti Cleaner then wash down surface with clean water/ neutral detergent. Apply 1 coat of Hitchins Formstik Adhesion primer at 15-20 m²/L Apply 1 or 2 coats of Hitchins Formwal 612 Coloured acrylic at 6 m²/L/coat Then apply 2 coats Formgard AGC at 10-15 m²/L/coat Or Apply 1 coat of Hitchins Formgard Bodycoat Clear at 10-15 m²/L/coat And 1 coat of Formgard AGC at 10-15 m²/L/coat</p> <p><u>Concrete Surfaces – Colour Finish</u> Apply 1 coat of Hitchins Formstik Adhesion primer at 15-20 m²/L Apply 1 or 2 coats of Hitchins Formwal 612 Coloured acrylic at 3-5 m²/L/coat Then Apply 2 coats of Formgard AGC at 10-15 m²/L/coat Or Apply 1 coat of Hitchins Formgard Bodycoat Clear at 10-15 m²/L/coat And 1 coat of Formgard AGC at 10-15 m²/L/coat</p> <p><u>Timber Surfaces – Colour Finish</u> Apply Hitchins Traffigard Preseal oil based primer @ 8 m²/L Apply Hitchins Traffigard Colour Coat @ 3-5 m²/L Or Apply Hitchins Formwal 612 Colour coat at 3-5m²/L Then Apply 2 coats of Formgard AGC at 10-15 m²/L/coat Or Apply 1 coat of Hitchins Formgard Bodycoat Clear at 10-15 m²/L/coat And 1 coat of Formgard AGC at 10-15 m²/L/coat</p>
Health & Safety:	<p>Read MSDS before using this product.</p> <p>Formgard Anti Graffiti Coating is flammable. Keep away from ignition sources and heat.</p> <p>Formgard Anti Graffiti Coating does contain isocyanates and inhalation of vapours may cause sensitisation. Avoid breathing vapours. Keep work area well ventilated.</p> <p>Wear air feed hood or respirator with correct filters if spraying.</p> <p>Exposed skin must be protected with gloves and or barrier cream.</p>

The information in this Dataspec is accurate to the best of our knowledge at the time of printing. Due however to the wide variety of use, procedures and application, we give no warranty nor undertake responsibility in any form. The Company reserves the right to alter information, formulations and/or parameters at any time without notice.

