

The Multi-Gard GP (general purpose) products are formulated to protect steel substrates in a variety of service exposures typical of industrial OEM equipment destinations. The Multi-Gard line tends toward rapid cure to handle and re-coat to facilitate through-put in shop painting applications.

Selection & Specification Data

Generic Type	Formerly Duroprime HB Multi-Gard® GP 5 ^{AU} is a modified zinc phosphate alkyd
Description	A fast-drying, high build, rust-inhibitive alkyd primer suitable for steel substrates in non-immersion areas.
Features	<ul style="list-style-type: none"> • Rapid dry and handle times • Ready for use • Good corrosion protection • Cold weather cure • Contains anti-corrosive inhibiting pigments (no lead or chromate pigments)
Gloss	Flat
Colour	Aluminium, Grey and Red Oxide MTO: Black and Blue
Primers	Self-priming
Topcoats	Multi-Gard® Hammerfinish ^{AU} and GP 14 ^{AU}
Dry Film Thickness	70µm
Solids Content	43%
Theoretical Coverage Rate	70 microns DFT covers 6.1 sq. metres per litre
Mix Ratio	N/A
VOC Values	As supplied: 454 g/L
Dry Temp. Resistance	May discolour over 107°C
Limitations	Do not use in chemical or continuously wet exposures

General

All surfaces to be coated should be clean, dry and free from contamination. Oil or grease should be removed in accordance with AS1627.1 (SSPC SP1) solvent cleaning.

Steel

Minimum: Thorough power or hand tool cleaning to AS 1627.2 St 3 or 1627.7 St 2.
Optimum: AS 1627.4 Class 2 (SSPC-SP6) with a 50-75 micron surface profile for maximum protection.

Application Equipment

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results. **General Guidelines:**

Spray Application (General)

The following spray equipment has been found suitable and is available from manufacturers such as DeVilbiss and Graco.

Conventional Spray

Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, 1.4mm to 1.8mm fluid tip and appropriate air cap.

Airless Spray

Pump Ratio 30:1
Material Hose 3/8" I.D min
Tip Size 0.015 – 0.019

Brush & Roller (General)

Small areas may be brush or rolled if conditions are suitable, however care must be taken to ensure that the correct film thickness is obtained.

Substrates & Surface Preparation

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Multi-Gard® GP 5^{AU}

Mixing & Thinning

Mixing	Use mechanical agitation for proper mixing, to ensure a smooth homogenous condition. Stir until thoroughly mixed.
Ratio	N/A – single pack
Thinning	Thin up to 10% with Thinning Solvent #10. Use of other thinners may adversely affect product performance and void product warranty, whether expressed or implied.
Pot Life	N/A

Cleanup & Safety

Cleanup	Use Thinning Solvent #2 or Acetone. In case of spillage, absorb and dispose of in accordance with local applicable regulations.
Safety	Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands and all exposed areas.
Ventilation	When sprayed may be harmful by inhalation - do not breath vapour or spray. Wear suitable clothing, gloves, eye and face protection.

Application Conditions

Condition	Material	Surface	Ambient	Humidity
Min - Max	5°-50°C	5°-45°C	5°-50°C	0-85%

Industry standards are for substrate temperatures to be 3°C above the dew point.

Curing Schedule

Surface Temp. & 50% Relative Humidity	Dry to Touch	Dry to Handle	Dry to Topcoat
5°C	45 Minutes	3 Hours	24 hours
10°C	30 Minutes	2 Hours	8 hours
25°C	20 Minutes	60 Minutes	3 hours
32°C	10 Minutes	30 Minutes	3 hours

Packaging, Handling & Storage

Pack Sizes	4 litre and 10 litre packs
Flash Point (Setaflash)	33° - 47°C
Storage Temperature & Humidity	Store under cover in dry conditions. 4°-40°C 0-80% RH
Shelf Life	12 months at 24°C

***Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers**



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