

TECHNICAL DATA SHEET

Description: Fire retardant clear lacquer for use on wood, fabrics or as a top coat on FlameGuard CC finish paint. It is a solvent based, easy to apply, clear transparent finish mainly for application on wooden surfaces. It protects the treated surface from fire.

Typical Applications	Product Features
<ul style="list-style-type: none"> ✓ Protection for, wood, ✓ Softwood, ✓ Hardwood, ✓ MDF (FR & non-FR), ✓ Melamine faced ✓ Plywood, ✓ Particle board, ✓ Bamboo, ✓ Painted canvas on plasterboard ✓ FRP, Bakelite 	<ul style="list-style-type: none"> ✓ One component special resin based clear coat, easy to apply ✓ Excellent water, weather and UV resistance. ✓ Dry film has excellent fire retardant properties ✓ Intumescent expands with heat ✓ Water and Weather Resistant! ✓ Low Abrasion for longer pump life and less maintenance. ✓ Non – Toxic / Non – Hazardous components, Free from asbestos, volatile solvents... ✓ Fully resistant to moisture, humidity, chemicals, corrosive gases, oil spillage etc.,



Typical Properties	Properties	Standard	Unit	Values
	Color	ASTM D 1544	~	Clear
	Appearance	ASTM D 1544	~	viscous liquid
	Specific Gravity	ASTM D 1895 B	gm/cc	0.98
	Solids by Volume	ASTM D 2697	%	45
	Pot Life	IS 101	min	NA
	Full cure	IS 101	hours	16
	Dry film thickness	ASTM D 6132	Microns / Coat	80
	Wet film Thickness	ASTM D 4144	Microns / Coat	120
	Functional Cure Time	ASTM D 5895	hours	8 hours
	Fire withstanding time	BS 476	mins	30
	Flash Point	ASTM E 56	°C	32
	Chemical Resistance	ASTM C 267	%	Good
	Maximum Application Temp	VISUAL	°C	1300
	Coverage	~	Sq.Mtr./Kg	4 m ² / 1 Kg

Application Instructions	
Surface Preparation	<p>For metal: Surface should be free of oil, grease, dust and loose particles. For mechanical cleaning surface should be sandblasted to min. St2. A sound prepared surface will lead to a better paint application. When used over old coating systems, the surface must be clean, dry and properly anchored.</p> <p>For wooden and concrete surfaces: For optimum service life, the surface should be completely free of contaminants that might impair performance and should be treated to ensure good and permanent adhesion of the paint system. For removing dust and loose particles, cleaning by air blasting is recommended. The clear coat is not recommended to be over coated with any other coating.</p>
Mixing Instructions	<ul style="list-style-type: none"> ✓ Thoroughly mix the contents of containers using stirrer/mixer. ✓ Stir the paint occasionally before each use. ✓ Thinning/Dilution of the material using thinner is not recommended.

Application Instructions	<p>Spray Coating</p> <ul style="list-style-type: none">✓ A single coat built up with a number of quick passes allows greater control over quantities, thickness and finish. In most conditions, it is advantageous to apply two thin coats rather than one thick coat. Coating may be applied by brush or roller. <p>Brush Coating</p> <ul style="list-style-type: none">✓ For brush application, a fully loaded brush should be used.
Product Limitation	<ul style="list-style-type: none">✓ If the initial coating thickness is high it will initiate the crack in the coating.✓ Coating thickness should be developed gradually.✓ Use only with adequate ventilation.✓ This as industrial product contains flammable materials and should be kept away from the sparks and open flames, smoking in the area should not be permitted
Storage	<ul style="list-style-type: none">✓ Flameguard CC should be stored at temperatures between 25C and (49C)✓ The shelf life 12 months in an unopened and properly sealed bucket.✓ Do not dilute.✓ Protect from freezing✓ Do not put back the half or unused material back in original container, containing the supplied paint, to avoid contamination.

LIMITED WARRANTY NOTICE

Monarch warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Sheet, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. MONARCH MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS. The sole and exclusive remedy of purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of Monarch. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. MONARCH WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND. Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice are based on Monarch's Present knowledge and experience. However, Monarch assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights, nor shall any legal relationship be created by or arise from the provision of such information and advice. Monarch reserves the right to make any changes according to technological progress or further developments. The purchaser of the product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified experts.

Product Order Information

Product Name
FlameGuard CC

Product Code
11621

Product Pack Size
1 Kg

Marketed By: GIO vision Pvt Ltd.
Sr.No: 16, Ambegaon BK., Pune-411046
Contact: 7262888777
Email: giovisionindia@gmail.com
Website: mrperfectworld.com
perfectcoating.in

Mfg By: Monarch Industrial Products(i) Pvt Ltd, Theni.