

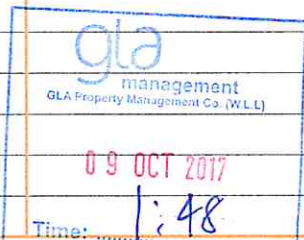
**RETAIL DESIGN & DELIVERY SUBMITTAL & TRANSMITTAL FORM**

MALL / PROPERTY NAME:		AL-KOUT MALL		BRAND NAME:		CLARK'S		UNIT NUMBER:		G-07	
SUBMITTAL / TRANSMITTAL NO.:				010		005		SUBMITTAL DATE:		9-Oct-17	
INVESTOR and/or AUTHORIZED REPRESENTATIVE		NAME of Investor / Authorized Representative			CONTACT No. of Investor / Authorized			E-mail Address of Investor / Authorized Representative			
		JASHANMAL			90022060			rafat@jashanmal.ac.in			
CONTRACTOR'S AUTHORIZED REPRESENTATIVE		COMPANY NAME			NAME of Contractor's Project Manager			CONTACT No.		E-mail Address	
		LANOUELLE INTERIORS			ENG. DORRY HANNA			99825584		info@lanouvelleint.com	

**ONE (1) SUBMITTAL / TRANSMITTAL for each SUBMITTAL TYPE**

☒ NEW SUBMITTAL ☐ RE-SUBMITTAL ☐ OTHERS

ITEM NO.	DRAWING TITLE / DESCRIPTION SUBMITTAL TYPE	DRAWING NO.	REVISION NO.	NO. OF COPIES		RD&D ACTION		COMMENTS / REMARKS	
				ELECTRONIC (CD)	HARDCOPY (A3 ONLY)	CODE			
						A	B		X
1	Fire Retardant Paint Data sheet				1				<p>B - follow the recommended method of application as per the attached data sheet.</p> <p>- invite us to witness the material application.</p> <p>- leave all paint drums after usage inside the store.</p>



<b>RETAIL DESIGN &amp; DELIVERY</b>				<b>Investor / Contractor</b>	
Received By:	RD&D Coordinator	Sr. MEP / MEP Engineer	Sr. Manager and/or General Manager	Name:	THOMAS JOY
				Tel. No.:	90020031
				Date:	9-Oct-17
Name / Signature / Date				I hereby certify that the above submitted Items have been reviewed in detail and are correct in the strict conformance with the contract requirement except as otherwise stated.	
Name / Signature / Date				Authorized Signature / Date	

**NOTE:** DOCUMENTS & DRAWING SUBMITTAL(S) MUST BE SUBMITTED AT GLA OFFICE FROM 8:00AM TO 5:00PM (SUNDAY TO THURSDAY). SUBMITTAL(S) AFTER 5:00PM WILL BE STAMPED THE NEXT WORKING DAY'S DATE.

• ALL DRAWING SUBMITTALS MUST BE IN: A) A3 SIZE PAPER; B) COLOR; C) SOFTCOPY ON CD WHICH INCLUDES AUTOCAD DRAWINGS (DWG) & ADOBE (PDF) FILES.

• IF NEEDED, FITOUT COORDINATORS MAY REQUEST DRAWINGS IN OTHER PAPER SIZE OTHER THAN A3.

• OTHER DOCUMENTS SUCH AS INSURANCE(Original), CERTIFICATIONS, LETTERS, CATALOGUES, SPECIFICATIONS, ETC. SHOULD BE SUBMITTED ONLY IN A4 or A3 PAPER SIZE TOGETHER WITH SOFTCOPY ON CD.



NATIONAL FIRE RETARDANT VARNISH  
PROTECTIVE COATINGS

TECHNICAL DATA SHEET

### APPLICATION INSTRUCTION

<b>SURFACE PREPARATION</b>	Before application, the surface should be sound, clean and free from oil, grease, loose particles, dust, etc. Application can be done by the recommended application methods. Wood preservation should be done before the application of this intumescent varnish, which must be later top coated with any polyurethane topcoat for its protection from any atmospheric pollution.
----------------------------	---

### APPLICATION DATA

<b>APPLICATION METHOD</b>	Brush, Roller or Spray or Airless Spraying
<b>CLEANING/THINNING</b>	Water
<b>THINNER (VOLUME)</b>	Up to 10% (Depending on method of application)
<b>CONV. SPRAY REQUIREMENTS</b>	Atomizing pressure : 50 psi
<b>AIRLESS SPRAY REQUIREMENTS</b>	Pressure : 2200 psi
<b>NOZZLE SIZE</b>	0.018"
<b>MIXING RATIO</b>	Part A : Part B = 1 : 1 (by volume) Part A : Part B = 120:140 (by weight)

### SYSTEM

<b>RECOMMENDED SYSTEM</b>	Clean the surface, remove loose particles and apply
To be applied on prepared surface.	National Fire Retardant Varnish : 2 coats
	Nationalthane Topcoat (Clear/Shade) : 1 – 2 coats

### NATIONAL AND INTERNATIONAL TEST CERTIFICATES

1.	Test Certificate from MPA Braunschweig, tested as per EN 13501-1:2007	<b>Classification B-s1 d0</b>
2.	Test Certificate, Directorate of Civil Defence, ABU DHABI, UAE	<b>Classification B-s1 d0</b>

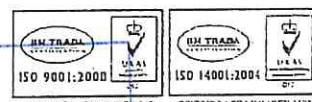
### ADDITIONAL DATA

<b>SHELF LIFE @ 30°C</b>	6 months, in original sealed container, with proper storage conditions (max.35°C).
--------------------------	--

Rev. 01/15  
Page 2/3



www.national-paints.com







NATIONAL FIRE RETARDANT VARNISH  
PROTECTIVE COATINGS

TECHNICAL DATA SHEET

## NATIONAL FIRE RETARDANT VARNISH

<b>PRODUCT DESCRIPTION</b>	National Fire Retardant Varnish is an intumescent varnish design for the fire protection of wooden furniture and wooden constructions for fire resistance up to class B-1 according to German standard DIN 4102-1 or to class B/s1/d0 according to the new European standard EN-13501-1/2007. Wooden construction, protected with this varnish, will build up a foam char, when fire attacked, and wood becomes to non flammable material (not burnable)
----------------------------	--

<b>RECOMMENDED USES</b>	Intumescent coating product for fire protection of wood and timber derivatives.
-------------------------	---

### TECHNICAL DATA

COLOUR, DRY FILM	Clear / Pigmented
FINISH, DRY FILM	Smooth / Semi gloss
SOLIDS BY VOLUME (ASTM D2697)	71 ± 2% (mixed)
SOLIDS BY WEIGHT	80 ± 2% (mixed)
SPECIFIC GRAVITY	1.25 ± 0.05
THEORETICAL SPREADING	2.7 M <sup>2</sup> /LTR
RECOMMENDED DFT (DRY FILM)	260 Microns (130 microns/coat)
RECOMMENDED WFT (WET FILM)	366 Microns (183 microns/coat)

### DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)	
TOUCH DRY	6 hours
DRY TO RECOAT	24 hours
HARD DRY	24 hours

### ADVANTAGES

<b>NATIONAL NATIONAL FIRE RETARDANT VARNISH</b>	A special resin based coating, easy to apply, excellent water, weather and U.V. resistance. Dry film has excellent fire retardant properties.
---	---

Rev. 01/15  
Page 1/3





NATIONAL FIRE RETARDANT VARNISH  
PROTECTIVE COATINGS

TECHNICAL DATA SHEET

### HEALTH & SAFETY

<b>SAFETY PRECAUTIONS</b>	As a general rule, avoid skin and eye contact by wearing overalls, gloves, goggles, and mask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. Eye should be flushed with fresh water. Avoid inhalation of vapours and paint mist by wearing suitable mask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well-ventilated area. Local safety regulations to be followed.
-------------------------------	--

### STORAGE & HANDLING

<b>STORAGE</b>	Store the paint in proper storage conditions as per the local regulations. Keep the paint container in sealed condition under shed, away from direct sunlight and extreme temperatures. Do not stock paint material near to any ignition sources. Do not put back the half or unused material back in original container, containing the supplied paint, to avoid contamination. Handle with care. Stir well before use.
----------------	--

NOTE: We warranty only the quality of our product and this data sheet is based on results obtained from experience and tests. We reserve the right to change data without prior notice. For surface preparation, safety details refer specifier and safety data.

This data sheet supersedes all previous issued.  
Issued: 0115

Rev. 01/15  
Page 3/3

[www.national-paints.com](http://www.national-paints.com)

