



# CHARITON RESEARCH INSTITUTE PRIVATE LIMITED

No.67/3, 1st Floor, Industrial Suburb, Yeshwanthpur, BANGALORE - 560 022. INDIA

## Issued To

**M/s. Voxon Industries**  
Gat No. 478/A, Plot No. 5 & 6,  
Industrial Area, Shindegaon,  
Nashik-422102.  
Maharashtra, India.

**Date: 20.07.2023**

**TEST CERTIFICATE NO.: C2/00008389**

**Job Order No.: 218/NB/07/2023**

**Subject:** To do testing of V COAT EP ZP PRIMER+ V COAT EP MIO+ V COAT PU TOPCOAT as per ISO 12944 C4 and C5 Specification.

## Objective:

To do testing of V COAT EP ZP PRIMER+ V COAT EP MIO+ V COAT PU TOPCOAT as per ISO 12944 C4 and C5 Specification.

## System Details:

- a) **C5 High as per ISO 12944.**  
V COAT EP ZP PRIMER– 60 micron + V COAT EP MIO– 130 micron + V COAT PU TOPCOAT– 50 Microns.
- a) **C4 High as per ISO 12944.**  
V COAT EP ZP PRIMER– 80 micron + V COAT PU TOPCOAT– 50 microns.

## Panel's application:

Surface preparation – Sa 2 1/2  
Panels applied at R&D Lab by airless spray.

  
20/07/2023  
Authorized Signatory



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## 1. Test Results -

### ISO 12944 – C5 high

V COAT EP ZP PRIMER– 60 micron + V COAT EP MIO– 130 micron + V COAT PU  
TOPCOAT – 50 Microns.

Sr. No.	Property	Test standard	Requirement	Results
1	DFT	ISO 2808	250 micron (Only Coating)	250 micron (Average)
2	Salt spray	ASTM B 117	Should Pass 1440 hours (No visual defect, blistering and red rusting)	Passes 2000 hrs
3	Cross Cut	ASTM D 3359	5A	Passes 5 A
4	Pull off adhesion	ISO 4624	5 Mpa	a) 8 Mpa b) 10 Mpa
5	Condensation	ASTM D 4585	720 hrs	Passes 1000 hrs

*Suresh A*  
20/07/2023  
Authorized Signatory





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## ISO 12944 – C4 high

V COAT EP ZP PRIMER– 80 micron + V COAT PU TOPCOAT – 50 microns.

Sr. No.	Property	Test standard	Requirement	Results
1	DFT	ISO 2808	140 micron	140 micron (Average)
2	Salt spray	ASTM B 117	Should Pass 720 hours (No visual defect, blistering and red rusting)	Passes 1000 hrs
3	Cross Cut	ASTM D 3359	5A	Passes 5 A
4	Pull off adhesion	ISO 4624	5 Mpa	a) 10Mpa b) 9 Mpa
5	Condensation	ASTM D 4585	480 hrs	Passes 1000 hrs

*[Signature]*  
20/07/2023

Authorized Signatory



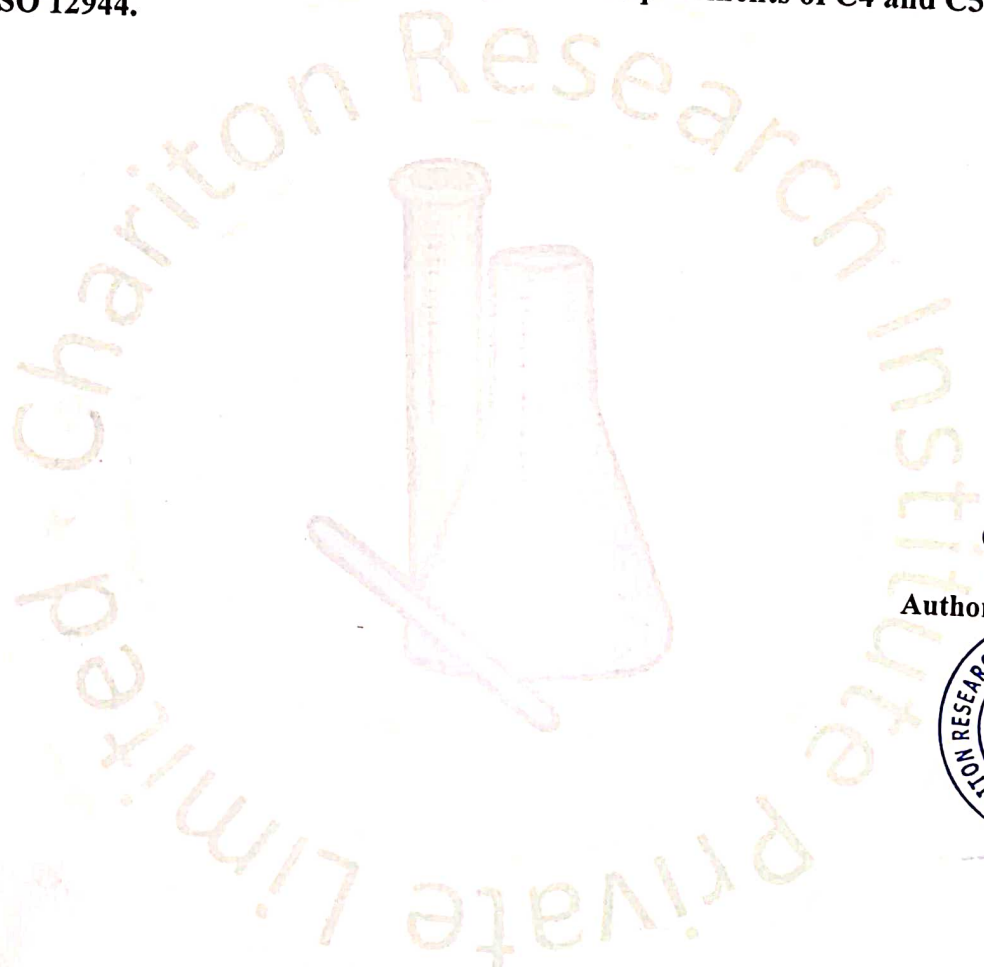


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## Conclusion:

System shown excellent results and meeting all the requirements of C4 and C5 Spec. as per ISO 12944.



*Shweta* 20/07/2023

Authorized Signatory





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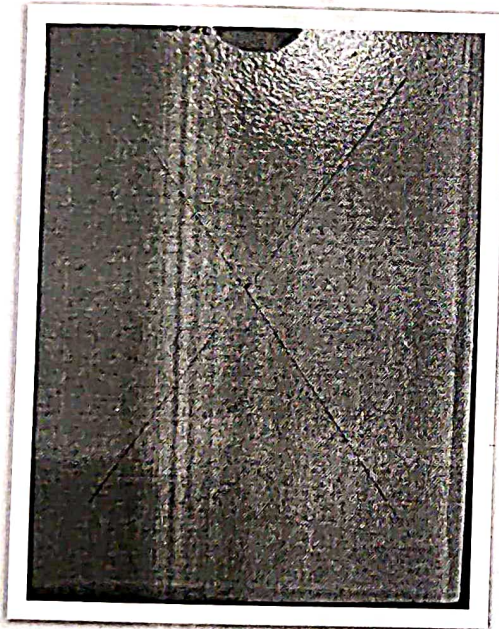
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## Annexure -1

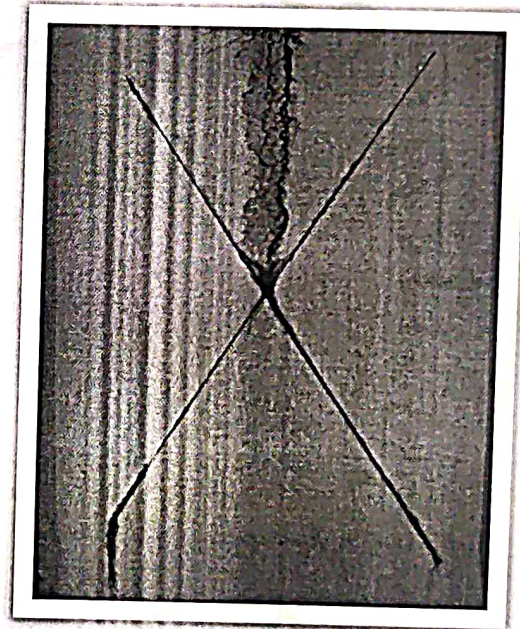
a) C5 High as per ISO 12944.

V COAT EP ZP PRIMER- 60 micron + V COAT EP MIO- 130 micron + V COAT PU  
TOPCOAT - 50 Microns.

Initial



After 2000 hrs



*Jeeva*  
20/07/2023  
Authorized Signatory





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## Annexure-2

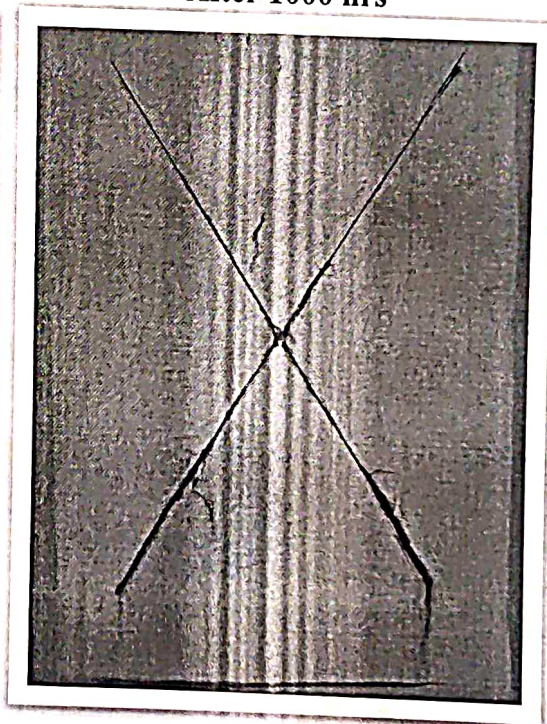
a) C4 High as per ISO 12944.

V COAT EP ZP PRIMER- 80 micron + V COAT PU TOPCOAT - 50 microns.

Initial



After 1000 hrs



*Janet A*  
20/07/2023  
Authorized Signatory

