

# Paint Polymers Technical Report

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## Evaluation of Gujrat Paints Crystal ECO Interior Luxury Paint.

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## 1 OBJECTIVE

To evaluate Gujrat Paints Crystal ECO Interior Luxury Paint.

## 2 INTRODUCTION

We have received paint sample of Crystal ECO Interior luxury Paint from Gujrat Paints to test paint properties like Opacity, Whiteness, stain resistance etc. Gujrat Paints has developed this paint based on Acronal ECO 702.

## 3 PROCEDURE

The paint sample to be checked for basic paint properties like opacity, sheen, scrub resistance along with unique performance properties like stain resistance.

## 4 RESULTS & DISCUSSION

All the properties were evaluated against the standard guideline formulation of Acronal ECO 702 and market best Luxury Interior Paint.

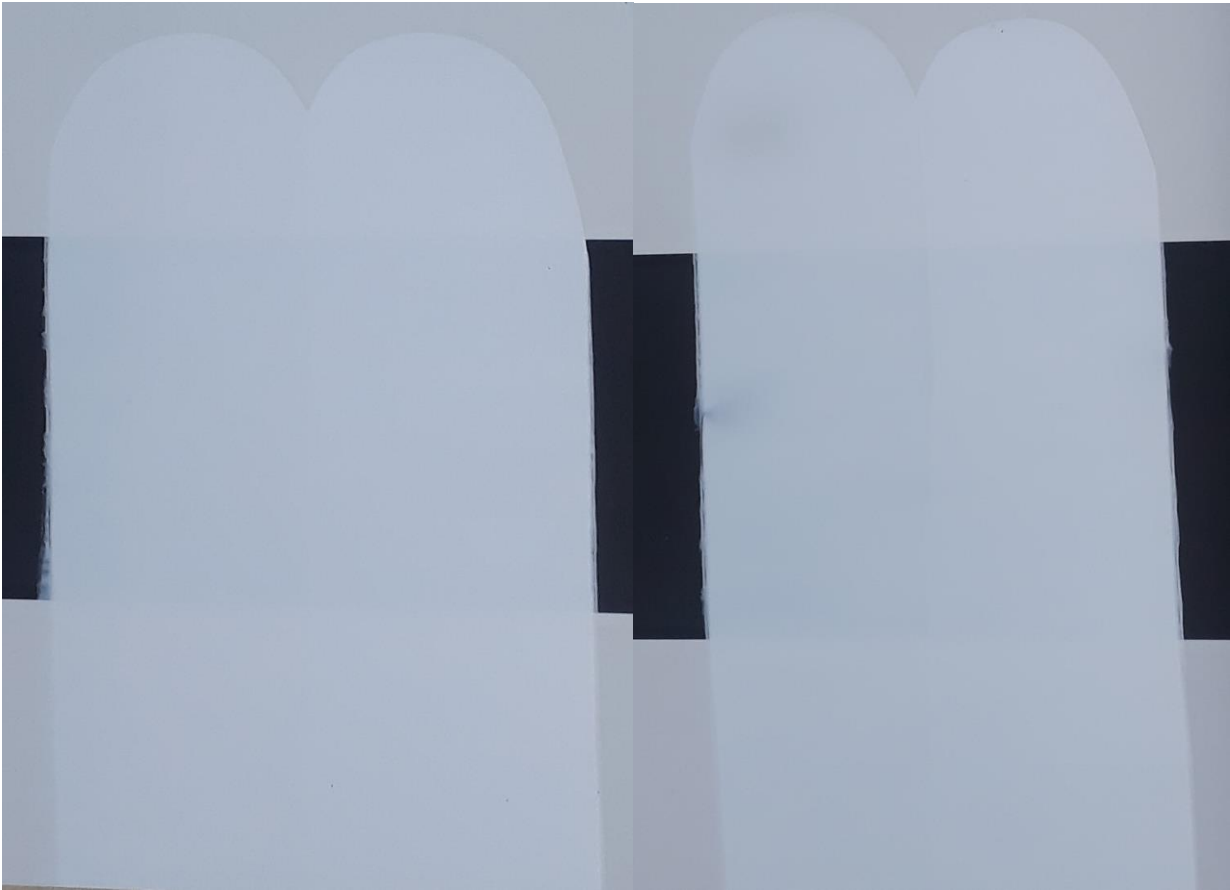
The results are as below.

Paint Properties	BASF Guideline Formulation Based on Acronal ECO 702	Gujrat Paints - Crystal ECO	Market Best Luxury Interior Paint
Storner Viscosity	122 KU	120 KU	NA
Opacity Visual	4.0	4.5	4.0
Opacity by Spectro	96.25	97.38	96.64
Whiteness Index CIE	86.3	87.7	86.6
Gloss @ 20° / Sheen 60° / 85°	6.4/36.7/78	4.5/29.7/70.2	2.1/10.7/17.3
Average Stain Resistance rating	3.7	3.6	3.0
Wet Scrub Resistance (ASTM)	450-500 strokes	450 - 480 strokes	650 - 700 strokes

Stain Resistance ratings 5 is best while 0 is worst

### Opacity Panel

Market Best DPUR Top Coat	Gujrat Paint's Crystal ECO	BASF Guideline Formulation Based on Acronal ECO 702	Gujrat Paint's Crystal ECO
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Stain Resistance Panel			
Market Best Interior Paint	Gujrat Paints Crystal ECO	BASF Guideline formulation	Gujrat Paints Crystal ECO



## 5 CONCLUSION

- 1) Compared to Market best Luxury Interior Paint, Gujrat Paint's Crystal ECO shows better Whiteness, Sheen, Opacity and stain resistance.
- 2) Compared to Market best Luxury Interior Paint, Gujrat Paint's Crystal ECO shows lower scrub resistance.
- 3) Compared to BASF guideline formulation, Gujrat Paint's Crystal ECO shows better opacity and whiteness.
- 4) Compared to BASF guideline formulation, Gujrat Paint's Crystal ECO shows comparable stain resistance and scrub resistance.