

For  
**ARCHITECTURAL**  
applications



We render **LIFE**  
to your coatings

# UNICOLOR 691

The demand for paints and coatings product is on a continuous rise, owing to the alarming rate of development. The challenges faced by the Paints and coatings industry are not merely in terms of volume. They also revolve around the various quality guidelines, health and environmental safety stipulations, and compatibility. Identifying the multiple needs of our customers, we have developed the latest range of Universal Point of Sale colorants UNICOLOR 691. In addition to being the ideal solution for these stringent guidelines, this range of colorants is also cost-efficient.

## Environmental Benefits

With the increase in pollution daily and continuous production of toxic waste, heavy regulations and restrictions have been imposed on the use of detrimental chemicals in industries. We believe in playing our part in contributing to a sustainable tomorrow by creating environment-friendly products.

UNICOLOR 691 is a Universal range of colorants that has been specially developed for interior and exterior applications, with utilization as a machine colorant. We stay true to our commitment towards the environment and make a responsible effort towards its betterment. It is free of all chemicals like APE (Alkyl Phenol Ethoxylate), VOC (Volatile Organic Compounds) and Formaldehyde in their solutions that have adverse effects on our health and on the environment.

## Unmatched Properties

UNICOLOR 691 is tailor-made to suit every demand and to be versatile enough to adapt to various parameters. It follows Newtonian flow and therefore has excellent rheological properties. This along with that fact that it has glycol in its composition assures its longevity.

Additionally, glycol confers freeze-thawing properties while its unparalleled rheological features account for its stable consistency even after prolonged storage in canisters. With moderate viscosity and consistency, there is reduced wastage of paints, contributing to cost saving. The color and the color strength of UNICOLOR 691 is controlled volumetrically. Additionally, we also offer our customers our software support for their added convenience.

They are also compatible with most of the resins that is available in the market. UNICOLOR 691 can be used in combination with water based as well as solvent based Paints. They are especially formulated to meet the performance needs of all the modern coatings including Latex paints, Acrylic paints, long oil, medium oil alkyds, enamels, wood stains, PVA emulsions, Styrene-butadiene emulsions. If this is not sufficient, every colorant of the UNICOLOR 691 range is miscible in all ratio and proportions, guaranteeing endless number of colors, with accurate reproducibility and precise repeatability.

### Applications

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## Extensive Technical Support

We provide unflinching support to our clients to guide them by extending the following services:

### Compatibility tests

More often than not, clients might need additional help regarding the compatibility of our pigments with other base materials to prepare the final product. These are appropriately addressed by our technical experts who provide the necessary information. Additionally, these tests are also useful in case of alterations required to the base paint formulation, to ensure that the colors are consistently reproducible and have accurate repeatability.

### Maintenance of databases

Databases are maintained to facilitate the tinting machines to produce the desired shades with greater accuracy. Additionally, separate formulation predictions are also provided based on price, exterior durability and availability of colors, etc.

### Adjusting and testing base materials

The number of colors that can be produced with our 621 range is staggeringly large at 1500. Therefore, our team of technical experts refers to existing and previous records and our product's technical details to

provide you essential support regarding appropriate combinations of base materials.

## Preparing color formulations

Customer fan deck and customer specific products support to obtain the best results.

## Ongoing support

We provide support throughout the production process and not just at the beginning. This also includes adjustment and expansion of your tinting system. We also provide our software support system for the convenience of our customers.

## Consultancy
















Our technical experts guide you regarding equipment and system implementation steps (e.g. machine, coloristic software, etc.).

## Accelerated weathering test

One of the main uses of our colorant range is to produce paints for exteriors. These paints are required to be highly stable, bright, durable, and should offer UV protection. We help clients ensure all these parameters are covered in their products through our accelerated weathering tests.

# UNICOLOR 691

## TECHNICAL DATA SHEET

Shades	Code	Description	Color Index	Pigment* %	Light** Fastness		Weather Fastness**		Specific Gravity gm/c <sup>3</sup>	Composition by weight %			Resistance	
					Tint	Full	Tint	Full		Pigment Solid	Vehicle	Volatile	Alkali	Acid
	XT-691	White	PW 6	65	8	8	5	5	2.00	68.00	7.00	25.00	5	5
	VT-691	Red Oxide	PR 101	48	8	8	5	5	1.90	55.00	11.00	34.00	5	5
	ST-691	Brown Oxide	PY42/PR 101/ PBk 7	35	8	8	5	5	1.61	54.00	12.00	34.00	5	5
	PT-691	Orange	PR 168	10	8	8	5	5	1.34	40.00	12.00	48.00	5	5
	TT-691	Black	PBk 7	7	8	8	5	5	1.35	40.00	10.00	50.00	5	5
	LT-691	Light Green	PG 36	10	8	8	5	5	1.43	40.00	15.00	45.00	5	5
	KS-691	Yellow	PY 74	19	7-8	6-7	4-5	3	1.35	48.00	8.00	44.00	5	5
	FT-691	Violet	PV 23	2	8	8	5	4	1.36	37.00	17.00	46.00	5	5
	RT-691	Yellow Oxide	PY 42	56	8	8	5	5	1.8	54.80	7.20	38.00	5	5
	HS-691	Bordeaux	PV19	15	7	7	4-5	3-4	1.16	23.00	18.00	59.00	5	5
	LS-691	Dark Green	PG 7	20	8	8	5	5	1.20	38.00	14.00	48.00	5	5
	MS-691	Dark Blue	PB 15:3	27	8	8	5	5	1.22	38.00	12.00	50.00	5	5
	MT-691	Light Blue	PB 15:4	6	8	8	5	5	1.20	39.00	13.00	48.00	5	5
	RS-691	Red	PR 112	22	7-8	6	4-5	3	1.27	44.00	11.30	44.70	5	5
	US-691	Orange Yellow	PY 83	30	7-8	6-7	4	3	1.28	46.00	12.00	42.00	5	5
	ZT-691	Yellow	PY 138	12	7	7-8	4-5	4	1.40	46.00	10.00	44.00	5	5

Guidance figures only and may differ since the colorants are adjusted on their colorimetric properties.

Information given by pigment supplier - For guidelines only -

Customers are encouraged to conduct their own tests.

This information is proposed without warranty, representation, inducement or license of any kind including.

It is made following the best TSC knowledge or obtained from sources believed to be accurate, and does not assume any legal responsibility.

For more information please see Safety Data Sheet.



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