

For
ARCHITECTURAL
applications



We render **LIFE**
to your coatings

UNIFIL 631

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The ability to integrate with client's product and services is a major challenge faced by companies functioning in the concentrated pigments sector. We, at Tinting Systems Company, have succeeded in overcoming this challenge with our UNIFIL 631 range of colorants. These are Universal Point of Sale colorants for exterior as well as interior applications.

UNIFIL 631 has been specially formulated to meet the highest standards keeping in mind the economic and environmental consequences that have become vital parameters of performance measurement in recent times. We work closely with you to deliver desired products and services without compromising on the performance.

A New World of Colors

By leveraging 24 colorants provided by UNIFIL 631, one can produce a wide range of colors to meet specific requirements. To make it easier for our clients to offer a wide range of options to their customers, the 631 range comes with a flexible system to suit variable needs.

The range starts from basic 16 colorants that provide 540 color shades for exterior applications on the NCS Color Card, which can be upgraded further according to the customer requisite, to 16+4 basic colorants that provide 1000 shades for exteriors.

Another option is the highly recommended 22 basic colorants that offer 1500 exterior color shades on the NCS panel. Customers can also choose to add two transparent colorants for wood to tint stains and varnish.

Our technical team provides help with compatibility and weathering tests, testing base materials and formulations. The resultant information allows you to optimize your processes easily with minimum or no trial and error. This saves precious raw materials thus reducing overall cost of production.

From the smallest of doubts, to vital questions, every query is tended to by our team of technical experts to provide you comprehensive service.

Extensive Technical Support

We provide unflinching support to our clients to guide them by providing 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 required information. Additionally, these tests are also useful if one wants to alter 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 desired shades with greater accuracy. Additionally, separate formulation predictions are also provided on the basis of price, exterior durability and availability of colors, etc.

Adjusting and testing base materials

The number of colors that can be produced with our 631 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.

Economic Products

Color Formula

Minimizing wastage and maximizing raw material utility is an important method to reduce the cost of production. Keeping this in mind, we have produced a wide range of high-concentrate pigments that result in brighter and more accurate shades with minimal amount of usage.

Right Combination

The final color formula produced with our products is economical with an average of (+/-) 30% for interior shades, and (+/-) 10% for exterior shades based on the base paint formula combinations and the customer requisite.

Benefits of UNIFIL 631

Universal colorants

- VOC, APE and formaldehyde free formulation to ensure environmental and health safety

- Excellent tinting power for the use of micronisation process

- Guaranteed compatibility with every kind of paint
























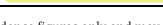
- Economically favorable products

Applications

Use our especially formulated UNIFIL 631 range to meet the performance needs of modern coatings – including Latex paints, Acrylic paints, long oil, medium oil alkyds, enamels, wood stains, PVA emulsions, Styrene-butadiene emulsions.

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TECHNICAL DATA SHEET

Shade	Code	Description	Color Index	Pigment* %	Light** Fastness		Weather** Fastness		Specific gravity gm/c ³	Composition By weight %			Resistance	
					Full	Reduced	Full	Reduced		Pigment Solid	Vehicle	Volatile	Alkali	Acid
	AG-631	Oxide Black	PBk.11	55	8	8	5	5	2.21	52.00	11.00	37.00	5	5
	AN-631	Bismuth Vanadate	PY.184	65	8	8	5	5	1.89	54.50	9.50	36.00	5	5
	BF-631	Violet	PV.23	3	8	7	5	4-5	1.40	37.00	17.00	46.00	5	5
	EK-631	Medium Yellow	PY.74	26	7	6	4-5	4	1.18	44.00	9.00	47.00	5	5
	FL-631	Phthalo Green HC	PG.7	19	8	8	5	5	1.33	40.00	14.00	46.00	5	5
	GL-631	Phthalo Green LC	PG.36	10	8	8	5	5	1.30	42.00	11.00	47.00	5	5
	HM-631	Pink	PR.122	11	7-8	7	4	4-5	1.22	31.00	17.00	52.00	5	5
	KN-631	Blue HC	PB.15:3	35	8	8	5	5	1.24	38.00	11.00	51.00	5	5
	LU-631	Cobalt Blue	PB.28	63	8	8	5	5	1.75	63.50	9.50	27.00	5	5
	MP-631	Bright Blue	PB.15:4	11	8	8	5	5	1.30	40.00	13.00	47.00	5	5
	NQ-631	Orange	PR.168	9	8	8	5	5	1.35	40.00	13.00	47.00	5	5
	OR-631	Naphtol Red	PR.112	21	7-8	8	4-5	4-5	1.30	42.00	12.00	46.00	5	5
	PV-631	Oxide Yellow	PY.42	55	8	8	5	5	1.76	52.00	7.00	41.00	5	5
	QF-631	H3G Yellow	PY.154	32	8	8	5	5	1.28	36.00	7.00	57.00	5	5
	QM-631	DPP Red	PR.254	17	8	7-8	5	4-5	1.30	47.00	9.00	44.00	5	5
	RE-631	Oxide Green	PG.17	67	8	8	5	5	2.33	71.00	9.00	20.00	5	5
	RU-631	Raw Umber	Mix	38	8	8	5	5	1.59	53.00	12.00	35.00	5	5
	TR-631	Trans. Red Oxide	PR.101	32	8	8	5	4-5	1.40	33.00	18.00	49.00	5	5
	TV-631	Carbon Black	PBk.7	8	8	8	5	5	1.30	40.00	10.00	50.00	5	5
	TY-631	Trans. Yellow Oxide	PY.24	26	8	8	5	5	1.43	27.00	18.00	55.00	5	5
	UW-631	Orange Yellow	PY.83	29	7	6	5	4	1.27	42.00	11.00	47.00	5	5
	VX-631	Oxide Red	PR.101	64	8	8	5	5	1.90	59.00	10.00	31.00	5	5
	XY-631	Titanium White	PW.6	68	8	8	5	5	2.00	67.00	7.00	26.00	5	5
	ZX-631	Greenish Yellow	PY.138	12	8	7-8	4-5	4	1.42	45.00	11.00	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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