

For
ARCHITECTURAL
applications



We render **LIFE**
to your coatings

UNIFIL 641

Universal colorants with Environment-friendly Formulations

Increasing environmental concerns and health issues due to daily exposure to paints has raised caution among pigments, coatings and other chemicals producing companies all around the world. Tinting Systems Company understands this threat and thus delivers products that do not have any degrading effects on the eco system. Our UNIFIL 641 colorants are carefully formulated to provide maximum environmental safety and prevent detrimental health effects due to paints. It is free of harmful chemicals like APE, VOC and formaldehyde-based compounds to keep up with the environmental standards, providing a judicious and responsible option. These are Universal Point of Sale colorants for interior as well as exterior applications, which are destined to be used as machine colorants.

Unparalleled Performance

With increasing competition and diverse customer demands, an ideal product must be able to deliver maximum performance with minimum resource utility. UNIFIL 641 offers high-concentrate pigments that allow you to use smaller amounts for base paint formulations without compromising on properties of the final product. Along with this economical formula, UNIFIL's 641 pigment preparations Provides an extensive range of 19 colorants mostly for exterior application. The range starts with 17 basic colorants that include 11 colorants to support exterior operations and 6 for interior applications. PB 28 and PY184 are two more high performance inorganic pigments for exterior applications that can be added to this range. This helps you prepare products that mold to your customer needs comprehensively. These have accurate reproducibility and consistent repeatability of the shades produced.

Extensive Benefits and Applications

UNIFIL's 641 Pigment preparations offers multitude of benefits that enables it to cater to a wide range of applications. It provides more stability to solutions because every colorant is miscible with every other colorant to give an endless permutation and combination of colors. It is significant for exterior colors to provide high UV protection and to ensure that the colors are brighter giving more accurate shades. UNIFIL's 641 range offers the above-mentioned features in an economical manner due to high-concentrate pigments. UNIFIL 641 can be used in mixed technology systems due to compatibility with solvent and water-based paints while offering excellent resistance towards chemical, acids and alkalis. As there are no issues with miscibility, it allows an extensive range of colors and shades. We also provide technical and coloristic support and answer any queries regarding the base paint formulations and compatibilities. This improves cost efficiency and functionality of the end product.

Unique Properties

With the paint and coloring industry becoming increasingly demanding, we strive to deliver products and services that keep up with our client's requirements. Listed below are a few properties that make our UNIFIL 641 range exceptional:

Optimal Output

We completely understand our clients need to manufacture products with minimum costs, efficiently. Keeping this aspect in mind, our UNIFIL 641 range offers light fastness, accuracy in pastels, opacity, and excellent hiding power that meets the growing market demands.

Perfect Precision

Consistency in performance and formulations is also one of our key attributes. We assure accuracy and reproducibility at point-of-sale, which is possible due to our careful volumetrically controlled color and color strength system.

Enhanced Durability

Exterior paints are often exposed to harsh weather conditions, diverse temperature and humidity fluctuations that drastically reduce their longevity. Our UNIFIL 641 colorants has glycol, which improves the freeze thaw ability and drying properties of the paints, making them all weather resistant and long lasting.

Analytical Approach

For each product and service, we maintain a Pigment Index, which is similar to a database describing different properties and concentrations of our pigments. Based on this information, our clients can prepare and adjust base materials, improve compatibility and prepare appropriate color formulations. Use our especially formulated UNIFIL 641 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.

Benefits of UNIFIL 641



















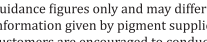
- VOC, APE and formaldehyde free formulation to ensure environmental and health safety
- Excellent tinting power for the use of micronisation process
- Guaranteed compatibility with every kind of paint
- Economically favorable

Applications

UNIFIL 641 colorants designed 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.

UNIFIL 641

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
	BD-641	Bordeaux	PV 19	15	7	7	4-5	3-4	1.20	24.00	17.00	59	5	5
	BF-641	Cobalt Blue	PB 28	70	8	8	4-5	4-5	2.07	71.00	5.00	24	5	5
	BS-641	Dark Blue	PB 15:4	25	8	8	5	5	1.24	42.00	11.00	47	5	5
	BV-641	Light Blue	PB 15:4	6	8	8	5	5	1.41	40.00	13.00	47	5	5
	FS-641	Violet	PV 23	4	8	8	5	4	1.48	42.00	12.00	46	5	5
	GE-641	Citron Yellow	PY 138	26	7-8	7	4-5	4	1.40	54.00	8.00	38	5	5
	GI-641	Yellow	PY 73	38	5	5	3	3	1.19	45.00	4.00	51	5	5
	GO-641	Orange Yellow	PY 83	30	7-8	7-8	4	3	1.26	49.00	10.00	41	5	5
	GS-641	Dark Green	PG 36	27	8	8	5	5	1.43	44.00	11.00	45	5	5
	GV-641	Light Green	PG 36	10	8	8	5	5	1.43	44.00	11.00	45	5	5
	HT-641	White	PW 6	65	8	8	5	5	2.03	66.00	8.00	26	5	5
	OK-641	Yellow Oxide	PY 42	56	8	8	5	5	1.79	57.00	5.00	38	5	5
	RB-641	Red Oxide	PR 101	44	8	8	5	5	1.90	56.00	7.00	37	5	5
	RE-641	Orange	PR 168	10	8	8	5	5	1.32	34.00	12.00	54	5	5
	RS-641	Red	PR 254	42	7-8	7-8	4-5	4-5	1.22	43.00	6.00	51	5	5
	RY-641	L.C Red Oxide	PR 101	40	8	8	5	4-5	1.58	47.00	16.00	37	4	5
	SS-641	H.C Black	PBk 7	11	8	8	5	5	1.34	41.00	10.00	49	5	5
	SV-641	L.C Black	PBk 7	1.4	8	8	5	5	1.29	33.00	10.00	57	5	5
	YC-641	Bismuth Vanadate	PY 184	57	7-8	7-8	4-5	4-5	2.03	62.00	10.00	28	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.



P.O.Box 3250, Khamis Mushayt 61961, Saudi Arabia
 Tel: +966 7 238 8000 Fax: +966 7 238 2561
 info@tscolor.com www.tscolor.com

