

## + Chroma-Chem® Spartacryl PM®

### Pigment Dispersions for Solvent-Based Coatings

The Spartacryl PM® Series colorants have been designed for broad use in industrial coatings. These products have been formulated to provide an universal colorant system to the coatings formulator for tinting and full pigmentation of most solvent-based industrial coatings.

#### ► Key Benefits

The Spartacryl PM® Series pigment dispersions for solvent-based industrial coatings applications consist of industrial quality organic and inorganic pigments finely milled in an acrylic carrier resin. The acrylic carrier resin along with a proprietary additive package allows for high pigment solids and superior compatibility. These components also allow for a rheological profile suitable for in-plant tinting.

Because of the wide compatibility of the dispersing resin, the Spartacryl PM® Series colorants can be used as the only solvent-based colorant line needed to tint a wide range of solvent-based coatings. The color palette is suitable for matching most industrial colors. The cross-compatibility with other colorants in the line will allow for blending of the masstone colors to create color pack that can be used on the job site.

#### ► Properties

The dispersing resin in the Spartacryl PM® Series is a nonfunctional acrylic polymer with a tightly controlled, low molecular weight. The molecular weight of the vehicle helps to ensure full development of pigment strength through its exceptional wetting properties while providing a rheological profile suited for in-plant tinting.

PM acetate is used as the solvent because it is not toxic and does not react with cross-linking resins such as isocyanates. Only prime pigments are included in this line's formulations; no extenders are present.

#### ► Applications

The Spartacryl PM® Series is formulated for use in most solvent-based industrial coatings including, but not limited to, concrete protection, general industrial, industrial maintenance, marine, plastic, and wood coatings. These colorants also perform well in decorative and special effect paints for sporting equipment.

#### ► Compatibility

The Spartacryl PM® colorants are compatible with most coating systems based on acrylic, urethane, epoxy, polyester, alkyds of all oil lengths, nitrocellulose, vinyl, and hybrid systems. This line is also compatible with most aliphatic and aromatic hydrocarbons, esters, ethers, ketones, and reactive diluents.

#### ► Shelf Life

Proper handling is essential to maintain good quality. It is recommended that the colorants be mixed prior to use. Containers should be tightly sealed when not in use. Repacking the colorant into a smaller container should be considered if the colorant level in the container is less than 20% of the original amount and will be stored for an extended period of time.

Shelf life on the Spartacryl PM® Series colorants is 1 year from the date of manufacture in unopened containers.



INDUSTRIAL MAINTENANCE



WOOD



GENERAL INDUSTRIAL FINISHES

Product Code	Description	CI Name	% Pigment		% Non-Volatiles		% Volatiles		Specific Gravity	VOC*	Pigment Lightfastness		Pigment Resistance	
			X Wt.	X Vol.	X Wt.	X Vol.	X Wt.	X Vol.			g/L	Mass	Tint	Acid
60311	Titanium Dioxide	White 6	67.0	33.0	9.7	18.1	23.3	48.9	2.03	472	N	N	N	N
60318	Phthalo Green B/S	Green 7	21.9	11.6	22.6	23.9	55.5	64.5	1.12	623	N	N	N	N
60319	Phthalo Green Y/S	Green 7	20.0	9.9	25.3	26.7	54.7	63.4	1.12	613	N	N	N	N
60321	Carbon Black	Black 7	21.1	12.8	21.1	21.8	57.8	65.4	1.09	632	N	N	N	N
60323	Lamp Black	Black 7	28.4	18.2	28.5	30.7	43.1	51.1	1.15	493	N	N	N	N
60325	Iron Oxide Yellow	Yellow 42	47.3	17.8	10.8	15.3	41.9	66.9	1.54	646	N	N	N	N
60333	Quinacridone Violet	Violet 19	14.9	10.3	20.3	19.9	64.8	69.8	1.04	674	S	S	N	N
60364	Phthalo Blue R/S	Blue 15:2	18.0	11.4	27.9	28.3	54.1	60.3	1.08	582	N	N	N	N
60391	Phthalo Blue	Blue 15:2	20.0	13.9	22.1	22.2	57.9	63.9	1.07	617	N	N	N	N
60397	Phthalo Blue G/S	Blue 15:4	22.9	15.4	25.3	26.1	51.8	58.5	1.09	566	N	N	N	N
60403	Jet Carbon Black	Black 7	11.2	6.6	35.1	34.7	53.7	58.7	1.06	566	N	N	N	N
60404	Iron Oxide Red Y/S	Red 101	57.8	21.5	10.7	18.0	31.5	60.5	1.86	585	N	N	N	N
60405	Burnt Umber	Brown 7	37.0	14.3	15.3	19.4	47.7	66.3	1.35	641	N	N	N	N
60406	Quinacridone Red	Violet 19	13.6	8.9	18.7	18.3	67.7	72.8	1.04	704	S	S	N	N
60407	Carbazole Violet	Violet 23	13.1	9.0	17.8	17.3	69.1	73.7	1.03	712	N	S	N	N
60413	Diarylide Yellow (OT)	Yellow 14	12.5	9.2	21.3	20.6	66.2	70.2	1.03	679	S	A	N	N
60427	Diarylide Yellow (HR-70)	Yellow 83	24.7	18.9	26.4	26.8	48.9	54.3	1.07	526	N	N	N	N
60432	Trans Yellow Oxide	Yellow 42	24.5	7.7	27.5	31.4	48.0	60.9	1.23	588	N	N	N	N
60444	Disazo Orange	Orange 34	20.0	14.8	25.4	25.3	54.6	59.9	1.06	579	A	A	N	N
60445	Monoazo Yellow H4G	Yellow 151	24.9	17.6	25.0	25.8	50.1	56.6	1.09	548	N*	N*	N	N
60457	Bright Red F-5	Red 170	22.4	16.1	24.0	24.3	53.6	59.6	1.08	576	N*	S*	N	N
60460	Bright Red F-3	Red 170	31.0	25.0	25.3	25.9	43.7	49.1	1.09	474	N*	S*	N	N
60626	Diarylide Yellow (HR-04)	Yellow 83	11.1	8.2	13.1	12.5	75.8	79.3	1.01	767	N	N	N	N
60681	BON Red	Red 48:2	16.0	12.1	36.9	36.6	47.1	51.3	1.05	496	A	A	S	A

\* Expected values based on formulation

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N	no bleed/discoloration	*	no Florida data, only Fadeometer
S	slight	**	no data
A	appreciable		

Lightfastness and Resistance information is provide for guidance purposes only. Source: NPIRI Raw Materials Data Handbook Volume 4 (@ 2000)



Where Art Meets Technology