

Technical Data Sheet

Aqueous In-Plant Tinting Dispersions (AIT)

General description

DayGlo® AIT dispersions are high tint strength color dispersions of quality pigments in water and glycol. These colorants are designed specifically for in-plant tinting.

Each product is formulated to contain the lowest possible percentage of surfactants. This gives a stable dispersion without affecting the physical properties of the finished paints or the performance of tinted bases.

They also have a fine grind which make them suitable for tinting semi-gloss and gloss latex enamels.

Applications

- Tinting fabric
- Paper coatings
- Latex adhesives
- Lumber marking
- Leather coloring
- Water-based paints
- Cement products and plaster
- Semi-gloss and gloss latex enamels

Product Features

- High tint strength
- Low surfactants
- Alkali resistance

Available Colors

Product Code	Color
AIT-118	Titanium White
AIT-222	Toluidine Red
AIT-244	Red Iron Oxide YS
AIT-254	Quinacridone Red
AIT-334	DNA Orange
AIT-364	Yellow Oxide
AIT-374	Perm. Medium Yellow
AIT-385	Brilliant Yellow G
AIT-389	Hansa Yellow HS
AIT-421	Brown Iron Oxide
AIT-434	Raw Umber
AIT-454	Burnt Umber
AIT-544	Phthalo Green BS
AIT-644	Phthalo Blue RS
AIT-648	Ultramarine Blue
AIT-684	Carbazol Violet
AIT-744	Lampblack

Packaging:

Gallon Pails (weight varies by color)
55 Gallon Drums (weight varies by color)

Storage & shelf life:

12 months when kept in closed original packaging in a dry place at ambient temperature.

Safety & regulatory:

Safety Data Sheet available on request.

Physical properties	
Delivery form	Aqueous dispersion
Average particle size	6 µm
Hegman grind	8.0 - 8.5

Code	Color	CI Number	Lbs/ Gal	% Pigment	% Vehicle	% Volatile	Lightfastness		Coating VOC g/lt	Material VOC g/lt
							Mass	Tint		
AIT-118	Titanium White	PW 6	17.5	70	3.2	26.8	E	E	205	115
AIT-222	Toluidine Red	PR 3	9.2	23.1	5.1	71.8	G	VP	236	82
AIT-244	Red Iron Oxide YS	PR 101	16.3	57.6	8.2	34.2	E	E	249	98
AIT-254	Quinacridone Red	PV 19	9.4	22.2	4.3	73.5	E	E	249	56
AIT-334	DNA Orange	PO 5	10.0	43.0	7.3	49.7	G	P	372	261
AIT-364	Yellow Oxide	PY 42	15.4	59.0	7.0	34.0	E	E	211	102
AIT-374	Perm. Medium Yellow	PY 83/PY 74	10.7	47.0	6.2	46.8	VG	G	324	175
AIT-385	Brilliant Yellow G	PY 1	10.5	39.4	4.0	56.6	G	P	189	64
AIT-389	Hansa Yellow HS	PY 74	10.0	39.0	4.2	56.8	G	G	166	61
AIT-421	Brown Iron Oxide	PR 101/PY 42	13.9	52.8	5.8	41.4	E	E	215	86
AIT-434	Raw Umber	P Br 7	11.9	43.2	7.6	49.2	E	E	341	109
AIT-454	Burnt Umber	P Br 7	13.0	51.0	8.8	40.2	E	E	240	90
AIT-544	Phthalo Green BS	PG 7	10.7	38.7	7.3	54.0	E	E	117	65
AIT-644	Phthalo Blue RS	PB15:2	9.0	27.7	7.3	65.0	E	E	202	65
AIT-648	Ultramarine Blue	PB 29	12.2	55.0	6.6	38.4	G	G	150	76
AIT-684	Carbazol Violet	PV 23	12.5	47.4	8.8	43.8	E	G	588	419
AIT-744	Lampblack	PB 7	10.2	42.0	7.5	50.5	E	E	257	126

* specialized applications may require custom colors, DayGlo welcomes your inquiry.

Processing & Heat Stability	
Flash Point	Flash points in excess of 200°F (PMCC)
Compatibility	Recommended use in water-based paints, acrylic, vinyl acetate, polyvinyl acetate, alkyd emulsion, ethylene copolymers, styrene butadiene, and alkyd modified.
Dispersions are soluble and are easily mixed-in. Mix dispersions well before use for best results.	

Lightfastness

There are limitations on lightfastness and weathering properties inherent in certain pigments. We recommend that the lightfastness and weathering properties be tested under customers' performance standards.

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