

# Technical Bulletin

## 215 BRUSHING PAINT

DayGlo® 215 Brushing Paint is a premium fluorescent brushing paint. Maximum lightfastness and film integrity are dependent upon the use of DayGlo Filteray® Type D (clear overcoat) which is described below.

### Available Colors

215-11	Aurora Pink®	215-17	Saturn Yellow®
215-12	Neon Red™	215-18	Signal Green™
215-13	Rocket Red™	215-19	Horizon Blue™
215-14	Fire Orange™	215-46	Lightning Yellow™
215-15	Blaze Orange™	215-08A	Filteray® D
215-16	Arc Yellow™		

Studies indicate that if an all-purpose single color is desired for impact, Blaze Orange and Fire Orange are generally best for contrast with most natural backgrounds. A significant characteristic of DayGlo's fluorescent colors are that they do not tend to appear white, gray, or black (achromatic) at extreme distances and at dusk, dawn or low light conditions as do most non-fluorescent colors.

### Physical Properties

Grind	5.0 Min Hegman Gage
Viscosity	1,500-2,000 cps @ 77°F

### Applications

The DayGlo 215 Brushing Paint can be used anywhere that requires a high visibility brushing paint. Some of the general areas of use include:

**Graphic Arts:** For outdoor advertising signs, painted bulletins, store signs, truck signs, and trade exhibits.

**Safety:** For aviation, industrial and marine uses on aircraft, ground support equipment, navigational aids, safety markings, equipment, machinery, fire protection equipment, first aid kits, traffic controls, boats, buoys, docks, and life saving equipment.

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Hobby-Sports: For use on models and toys, markings on easily lost sporting equipment (boomerangs, arrows, fishing gear) and identification markings on personal equipment.

## **Filteray® Type D**

Filteray® Type D is a clear overcoat designed for use over the 215 Brushing Paint. The Filteray Type D absorbs some of the harmful rays of the sun that cause premature fading of fluorescent colors during continued exposure to direct sunlight. Use a top coat of Filteray Type D to improve the lightfastness of DayGlo fluorescent colors. Ordinary varnishes and overcoats do not have the protective action of Filteray Type D overcoat and can do more harm than good when used over DayGlo fluorescent colors.

Filteray Type D is not recommended for interior use where coatings are exposed to black light or artificial ultraviolet light sources. Fluorescent surfaces coated with Filteray Type D will not fluoresce in the dark under black light.

The final surface produced by the Filteray Type D overcoat is harder and has a higher gloss than the DayGlo 215 Brushing Paint alone. This means that it will be more resistant to wear and more easily cleaned. The quantity of Filteray Type D overcoat required is usually 2/3 that of the paint.

## **Lightfastness**

The useful outdoor life of the color is determined by the thickness and uniformity of the DayGlo 215 coating. For greatly increased resistance to sunlight, an overcoat of Filteray Type D is required.

One coat of DayGlo 215 Brushing Paint is usually sufficient for interior markings, as the color is virtually unaffected by light sources other than direct sunlight. For store fronts, panel truck signs, etc., can last up to one year if a coat of Filteray Type D overcoat is applied over two coats of DayGlo 215 Brushing Paint.

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## General Application Instructions

Undercoat: DayGlo 215 Brushing Paints are semi-transparent and, therefore, brightest when applied over a clean white surface. White semi-gloss enamels, white enamel undercoats, primer-sealers and bulletin block-out whites are ideally suited for this purpose. Over old finishes, apply a white undercoat or primer that offers good adhesion to both the old finish and new DayGlo paint. However, best performance can be achieved by removing old finishes and starting with a freshly primed surface.

### DayGlo 215 Brushing Paint Color Coat:

1. Mix well before using.
2. Apply one heavy coat of DayGlo 215 Brushing Paint with a soft varnish brush. Use short strokes. Cover completely and smooth out as you go to produce a uniform deep layer (approximately 1.5 mils thick dry). Keep in mind that thin spots or streaks will fade prematurely. Allow to set-up or "top dry" at least two hours (@ 70°F).
3. Apply the second coat the same way as the first. Allow 24 hours to dry before applying DayGlo Filteray Type D overcoat. **NOTE:** Ambient temperature and relative humidity will affect the drying time. Applying the Filteray Type D before the 215 Brushing Paint is fully cured can cause performance issues.
4. For sign applications, the DayGlo coat can simply be roughed in, slightly overlapping the copy line. Your copy line will not be hidden because DayGlo is semi-transparent. Do not try to work the paint exactly to a line. An opaque background should be used to cut in accurately to the copy line for sharp detail after the DayGlo has top dried.

### Filteray® Type D Overcoat:

1. Apply one heavy coat of DayGlo Filteray Type D overcoat (1.5 mil. dry). This product works best when applied by brush.
2. Allow surface to dry 24 hours before putting into service. Do not wax for approximately two weeks.
3. Clean brushes should always be used.



## COVERAGE:

As a guideline for ordering paint, coverage should be estimated at 250 square feet per gallon. As always 10-25% extra should be ordered to cover waste, spillage and variations in applied paint film thickness.

Ver. 130822

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