

REFLECTIVE vs. FLUORESCENT



The Difference Between Reflective and Fluorescent Materials at the Workplace

Some of the safety items that you should have at your workplace, include fluorescent and retroreflective material items. Although both of these types of materials are made to ensure that they draw attention to themselves, but they differ in a few ways.

Reflective Vinyl Media

75' Roll Length / 8+ Year / VnM® Easy-Peel



Reflective actually returns light into the direction of the light's source and serves to allow the driver to see the light reflected from the material that the person is wearing. This type of material tends to work best in environments that are dully lit. It's not that these materials can't reflect in the daylight, but it doesn't do a very good job. There is a lack of contrast, unlike for fluorescent material, making it a material that isn't great for enhanced visibility during the bright daylight.

VnM® Engineer Grade Reflective media is specially formulated to last up to 7 years in indoor and outdoor environments. The VnM® Engineer Grade Reflective media produces a high retroreflectivity in lowlight conditions and is designed to withstand extreme environment conditions such as extreme hot, cold, dry and humid weather. The media bonds with the substrate simply by applying pressure only and within 48-hours of curing time will have a permanent bond.

A. Service Temperature

-60°F - 300°F

B. Application Temperature

40°F - 160°F

C. Shelf Life

Stored under 73°F and 50% relative humidity = 1 year

D. Outdoor Durability

When properly applied, vertical exposure, and non-printed can last for up to 7 years.

Fluorescent Vinyl Media

75' Roll Length / 1 Year / VnM® Easy-Peel



Fluorescent differs from reflective materials as it absorbs invisible ultraviolet light from sunlight, then special pigments release those UV light rays as more visible light. It can only do this in areas where there is natural light. Even in environments that don't have very much natural light, fluorescent material seems much brighter than materials of the same color, which are non-fluorescent. It seems especially bright when the day is drawing near to dusk or dawn and it also contrast well against a lot of different backgrounds.

The VnM® Fluorescent media provides an extremely bright gloss and is for applications where you need a highly visible sign during the day. The VnM® Fluorescent media recommended for short term applications when used outdoor for less than a year (all fluorescent pigments will typically fade over time in direct UV exposure).

A. Service Temperature

-40°F - 200°F

B. Application Temperature

50°F - 80°F

C. Shelf Life

Stored under 70°F and 50% relative humidity = 1 year

D. Outdoor Durability

When properly applied, vertical exposure, and non-printed can last for up to 1 year.

