

Sign Construction:

Each graphic is printed using a printing process that qualifies for 3M's MCS Warranty on an underlying film that adheres to the floor. The film is then covered with an overlamine to protect the graphic against scuffing and improve the durability and slip resistance of the finished product.

Fabric/Material Options: https://www.3m.com/3M/en_US/graphics-signage-us/applications/social-distancing/

Click on product link on this page, and scroll down to find the "Product Bulletin" for specific product details.

Please note that all "names" included in this list are for conversational reference only, and are not intended as official or finalized product names for the website.

(1) The Green Machine [“eco-friendly”]: 3M™ Envision™ 48C Film (non-PVC) + 3M™ Envision™ 8050M Overlamine (non-PVC)

GREENGUARD Gold certified and applicable for LEED v4 credits, made of non-PVC materials with a 3-month useful life

- [This is our most popular option]
- For use in any indoor setting requiring floor graphics on a flat surface
- Non-PVC construction and GREENGUARD Gold certification ensures these signs meet some of the world’s most rigorous third-party testing standards for low emissions of volatile organic compounds into indoor environments
- Rated 3-month useful life coincides with most floor waxing/buffing/maintenance schedules
- Rated UL410 for slip resistance

Film (48C-20R):

Physical Characteristics

Characteristic	Value
Material	Non-PVC polymer
Film Color	White, opaque
Thickness	without adhesive: 3.3 mil (0.084 mm) with adhesive: 4.3 mil (1.09 mm)
Adhesive	Pressure-activated (slide, tack, snap-up, reposition) with air release channels
Adhesive Color	Gray
Liner	Polyethylene-coated paper
Flammability	ASTM E84 reports: 48C-20R , or go to the On-line Product Catalog at 3Mgraphics.com All other test reports: call 1-800-328-3908

Characteristic	Value
Finished Graphic Application Recommendation	Surface type: - Smooth, flat with or without rivets (expect tenting); simple curves Substrate type: - Most Graphics: Painted metal and other painted substrates, rigid plastic, glass - Indoor Floor Graphics Only: Most indoor floors including, tile, sealed concrete, terrazzo, ceramic and finished wood; Low pile, secured floor carpet Application temperature: 40° – 100°F (4.4° – 38°C) air and substrate Application method: Dry
Applied Shrinkage	Less than 0.015 inches (0.4 mm)
Temperature Range After Application	-58 to +194 °F (-50 to +90 °C) (not for extended periods of time at the extremes)
Graphic Removal	Removable, may require heat

Overlamine (8050M):

Performance Characteristics

Characteristic	Value
Material	Non-PVC
Cast or non-Cast	N/A
Thickness	2 mils
Gloss	8048G: Gloss 8050M: Matte
Liner	Kraft paper
Lamination Temperature	50 to 100 °F (10 to +38 °C)
In Use Temperature Range	-65 to +225 °F (-54 to +107 °C) (not for extended periods of time at the extremes)
Chemical Resistance	<ul style="list-style-type: none"> • Resists mild alkalis, mild acids, and salt • Excellent resistance to water (<i>does not include immersion</i>) • Resists occasional fuel spills
Flammability	ASTM E84 reports: 8048G , or go to the On-line Product Catalog at 3Mgraphics.com All other test reports: call 1-800-328-3908

(2) The Mainstay: 3M™ Envision™ 48C Film (non-PVC) + 3M™ Scotchcal™ 3645 Overlaminates
 Half-GREENGUARD Gold certified and half-applicable for LEED v4 credits; underlying 48C-20R film is made of non-PVC materials, and 3M Scotchcal™ 3645 overlaminates provides more durable, 12-month useful life

- For use in areas where increased abrasion resistance and durability against high levels of foot traffic is desired
- Rated 12-month useful life decreases number of times floor graphics need to be replaced
- Rated UL410 for slip resistance

Film (48C-20R):

Physical Characteristics

Characteristic	Value
Material	Non-PVC polymer
Film Color	White, opaque
Thickness	without adhesive: 3.3 mil (0.084 mm) with adhesive: 4.3 mil (1.09 mm)
Adhesive	Pressure-activated (slide, tack, snap-up, reposition) with air release channels
Adhesive Color	Gray
Liner	Polyethylene-coated paper
Flammability	ASTM E84 reports: 48C-20R , or go to the On-line Product Catalog at 3Mgraphics.com All other test reports: call 1-800-328-3908

Characteristic	Value
Finished Graphic Application Recommendation	Surface type: - Smooth, flat with or without rivets (expect tenting); simple curves Substrate type: - Most Graphics: Painted metal and other painted substrates, rigid plastic, glass - Indoor Floor Graphics Only: Most indoor floors including, tile, sealed concrete, terrazzo, ceramic and finished wood; Low pile, secured floor carpet Application temperature: 40° – 100°F (4.4° – 38°C) air and substrate Application method: Dry
Applied Shrinkage	Less than 0.015 inches (0.4 mm)
Temperature Range After Application	-58 to +194 °F (-50 to +90 °C) (not for extended periods of time at the extremes)
Graphic Removal	Removable, may require heat

Overlaminates (3645):

Performance Characteristics

Characteristic	Value
Material	Vinyl
Material Type	Calendared
Thickness	3645: 8 mils 3647: 19 mils
Gloss	3645: Luster 3647: Matte
Liner	Kraft paper
Lamination Temperature	50 to 100 °F (10 to +38 °C)
In Use Temperature Range	-65 to +225 °F (-54 to +107 °C)
Chemical Resistance	<ul style="list-style-type: none"> • Resists mild alkalis, mild acids, and salt • Excellent resistance to water (<i>does not include immersion</i>) • Resists occasional fuel spills
Flammability	Flammability test data may be available for the graphic product and application you require. ASTM E84 test reports are available on the On-line Product Catalog at 3Mgraphics.com (select a product and view its Literature tab) or call 3M at 1-800-328-3908.

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(3) The Strongman: 3M™ Scotchcal™ 3662 Film / 3M™ Scotchcal™ 3647 Overlaminates

Outdoor film for unsealed, outdoor pedestrian sidewalks and surfaces including asphalt, concrete and paving bricks

- Maximum durability of 5-7 years, with 3-month expected performance life
- Offers skid and scuff resistance as well as durability for high foot traffic, outdoor sidewalk graphics
- Rated UL410 for slip resistance

Film (3662):

Physical Characteristics

Characteristic	Value
Material	Cast Vinyl
Film Color	White, opaque
Thickness	Without adhesive: 2 mil (0.05 mm) With adhesive: 6-7 mil (0.15-0.17 mm)
Adhesive	Pressure-sensitive
Adhesive Color	Gray
Liner	Polyethylene-coated layflat paper
Adhesion, Typical 24 hours after application	N/A
Tensile Strength	5 pounds/inch at 73 °F (0.9 kg/cm at 23 °C) minimum
Chemical Resistance	Resists mild alkalis, mild acids, and salt Excellent resistance to water (does not include immersion)
Flammability	Go to the On-line Product Catalog at 3M.com/graphics or Call 1-800-328-3908.

Application Characteristics

Characteristic	Value
Finished Graphic Application Recommendation	Surface type: Flat Surface type: Unsealed, outdoor pedestrian traffic, including asphalt, concrete, and paving bricks Application method: Dry Application temperature: 70 °F to 90 °F (21 °C to 32 °C) air, substrate
Temperature Range After Application	-65 to +225 °F (-54 to +107 °C) Not for extended periods of time at the extremes
Graphic Removal	Removable from sidewalk surfaces within the warranted period (Not removable from most other surfaces)

Overlaminates (3647):

Performance Characteristics

Characteristic	Value
Material	Vinyl
Material Type	Calendared
Thickness	3645: 8 mils 3647: 19 mils
Gloss	3645: Luster 3647: Matte
Liner	Kraft paper
Lamination Temperature	50 to 100 °F (10 to +38 °C)
In Use Temperature Range	-65 to +225 °F (-54 to +107 °C)
Chemical Resistance	<ul style="list-style-type: none">• Resists mild alkalis, mild acids, and salt• Excellent resistance to water (<i>does not include immersion</i>)• Resists occasional fuel spills
Flammability	Flammability test data may be available for the graphic product and application you require. ASTM E84 test reports are available on the On-line Product Catalog at 3Mgraphics.com (select a product and view its Literature tab) or call 3M at 1-800-328-3908.

Sign Shapes:

Circles:

Round floor signs are quickly becoming the most recognizable social distancing indicators. From indoor to outdoor applications, Safe Scholar floor signs use only 3M-manufactured materials and all are rated UL410 for slip resistance.

DIRECTIONAL [3"] diameter: ideal for pairing with 12" signs in hallways or other areas in which numerous signs will be aligned. Using two 3" signs between a pair of 12" signs allows for clear directional indication without being visually overpowering, especially in areas with high traffic flow. Also excellent for use in classrooms when marking the location for socially-distanced desk locations – desks can be moved aside during cleaning and replaced quickly and efficiently over floor sign indicators. Not recommended for use with school logos or text – recommended for use with a single, simple design graphic such as a directional arrow.



SMALL [6"] diameter: can also be used as markers for gym class to delineate different types of activities, or in areas where large signs are unnecessarily obtrusive, but concise text or school graphics are desired.

REGULAR [12"] diameter: the “go-to” option for floor signs that is large enough for easy visibility and to include both graphics and text, while also being precise enough to indicate exactly where to stand so that social distancing can be maintained

LARGE [16"] diameter: excellent for indicating gathering spaces such as where to go during a fire drill while still adhering to your institution’s brand image; large signs can be used to indicate a “change” in traffic flow, such as when to stop and wait before proceeding or when approaching a hallway intersection

Arrows (6" x 17") - DIMENSION IS TBD

The obvious choice for guiding pedestrian traffic in a safe and efficient way – visual cues are critical for seamlessly navigating built environments, and arrows subconsciously convey easy-to-follow directional information that enable everyone to remain safe and properly distanced. Choose arrows of differing colors to distinguish high-traffic hallways from quieter areas such as libraries to adjust the required level of visibility to facilitate proper social distancing. Our arrows use a tried-and-true design and are based on [M4-10] OSHA specifications for directional traffic arrows to help keep our kids safe

Strips (6" x 24"):

Strips combine the stagnant “stand here” component of round signs with the directional indication of arrows. Strips are best used for directing semi-stagnant lines of traffic such as approaches to the cafeteria or when waiting outside to enter the school building in a responsible fashion. Can also be used on stairs to indicate 6' intervals [the same is true with 3" or 6" circles].

Industries:

- 1) Education
- 2) Finance
- 3) Food Services & Hospitality
- 4) Healthcare & Pharmaceuticals
- 5) Manufacturing / Construction
- 6) IT / Media & Entertainment
- 7) Power / Energy / Metals & Mining
- 8) Shipping / Transportation
- 9) Telecom
- 10) Other