Quick Guide to Standard Materials

Standard Materials for Safety Labels

Material Code P - 3M™ Premium White Polyester, 3M™ Adhesive, 3M™ Ultra-Clear Overlaminate

Temperature Range	Material Description	Application Characteristics
Low: -40°F High: 300°F	.002 Flexible 3M™ Premium Polyester .001 3M™ Ultra-Clear Polyester Overlaminate 3M™ Premium Acrylic Adhesive	Indoor applications Adhesion to high and low energy surfaces, textured surfaces and some powder coated finishes High degree of chemical resistance

Material Code B - 3M™ Premium White Polyester, 3M™ Adhesive, 3M™ Clear Weatherable Overlaminate with UV Resistance

Temperature Range	Material Description	Application Characteristics
Low: -40°F High: 175°F	.002 Flexible 3M™ Premium Polyester .003 3M™ Clear Weatherable Overlaminate with UV Resistance 3M™ Premium Acrylic Adhesive	Outdoor applications Adhesion to high and low energy surfaces, textured surfaces and some powder coated finishes High degree of weatherability and chemical/solvent resistance

Material Code T - .005 Anodized Aluminum, 3M™ High Temperature Adhesive

Temperature Range	Material Description	Application Characteristics
Low: -40°F High: 450°F	.005 Flexible Anodized Aluminum 3M™ High Temperature Acrylic Adhesive	Indoor/Outdoor applications High temperature applications of short-term intervals up to 450°F Dyed and sealed subsurface color image

Material Code 2 - 3M™ Premium White Polyester, 3M™ Adhesive, 3M™ Writable Matte Clear Overlaminate

Temperature Range	Material Description	Application Characteristics
Low: -40°F High: 300°F	.002 Flexible 3M™ Premium Polyester .001 3M™ Writable Matte Clear Polyester Overlaminate 3M™ Premium Acrylic Adhesive	Indoor/Outdoor applications Suitable for adding post-print variable data Where excellent humidity, chemical and solvent resistance are required

Material Code 4 - 3M™ Premium White Polyester, 3M™ Adhesive, 3M™ Matte Clear Velvet Polycarbonate Overlaminate

Temperature Range	Material Description	Application Characteristics
Low: -40°F High: 250°F	.002 Flexible 3M™ Premium Polyester .003 3M™ Matte Clear Velvet Polycarbonate Overlaminate 3M™ Premium Acrylic Adhesive	Indoor applications Where a superior graphic appearance or high performance is desired Where excellent humidity, chemical and solvent resistance are required

Standard Materials for Safety Signs

Material Code BE - .040 White Aluminum

Temperature Range	Material Description	Application Characteristics
Low: -40°F High: 175°F	.040 Rigid White Aluminum Mounting holes and adhesive tabs may be specified	Indoor/Outdoor applications Where high performance and durability of non-rusting rigid aluminum is required Recommended for mounting to flat surfaces

Material Code BJ - .060 Rigid White Plastic

Temperature Range	Material Description	Application Characteristics
Low: 32°F High: 140°F	.060 Rigid White Plastic Mounting holes and adhesive tabs may be specified	Indoor/Outdoor applications Where high performance is required Recommended for mounting to flat surfaces

Material Code ZA - 3M™ Premium White Polyester, 3M™ Premium Structured Adhesive, 3M™ Matte Clear Overlaminate

Temperature Range	Material Description	Application Characteristics
Low :-20°F High: 225°F	.002 Flexible 3M™ Premium Polyester .002 3M™ Matte Clear Vinyl Overlaminate 3M™ Premium Structured Acrylic Adhesive	Indoor/Outdoor applications For hand-applied lay-flat applications Excellent clarity and protection where minimal UV resistance and outdoor durability are required

Material Code W4 - Clarion Rigid GlowCore™ Photoluminescent

Temperature Range	Material Description	Application Characteristics
Low: 0°F High: 140°F	Clarion Rigid GlowCore™ Photoluminescent technology Mounting holes and adhesive tabs may be specified	Indoor applications Life saving equipment identification and location markings Escape route markings Warning, prohibition and general information signs

Special Order

Contact us (800-748-0241 or sales@clarionsafety.com) to learn more about our special order materials.

Material Code S2 - .060 Rigid White Plastic, 3M™ Clear Weatherable Overlaminate with UV Resistance

Temperature Range	Material Description	Application Characteristics
Low: 32°F High: 140°F	.060 Rigid White Plastic .003 3M™ Clear Weatherable Overlaminate with UV Resistance Mounting holes and adhesive tabs may be specified	Outdoor applications Where weatherability, UV resistance and durability are required Recommended for mounting to flat surfaces

Material Code S4 - .040 White Aluminum, 3M™ Clear Weatherable Overlaminate with UV Resistance

Temperature Range	Material Description	Application Characteristics
Low: -40°F High: 175°F	.040 Rigid White Aluminum .003 3M™ Clear Weatherable Overlaminate with UV Resistance Mounting holes and adhesive tabs may be specified	Outdoor application Where weatherability, UV resistance, high-strength and durability are required Recommended for mounting to flat surfaces

Material Code Z1 - 3M™ Premium White Polyester, 3M™ Premium Structured Adhesive, 3M™ Clear Weatherable Overlaminate with UV Resistance

Temperature Range	Material Description	Application Characteristics
Low: -40°F High: 175°F	.002 3M™ Flexible Premium Polyester .003 3M™ Clear Weatherable Overlaminate with UV Resistance 3M™ Premium Structured Acrylic Adhesive	Outdoor application High degree of weatherability and chemical/solvent resistance

Standard Materials for Pool Safety Signs

Material Code PC - Yellow Floor Safety Cone, 3M™ Clear Weatherable Overlaminate with UV Resistance

Temperature Range	Material Description	Application Characteristics
Low: 32°F High: 150°F	Printed on 3M™ .002 Premium Clear Polyester; mounted on durable injection molded plastic .003 3M™ Clear Weatherable Overlaminate with UV Resistance	Indoor/Outdoor applications Where weather resistance and protection from heat, cold, chlorine, high humidity and sunlight are required

Material Code CV - Floor Safety Cone Topper, 3M™ Clear Weatherable Overlaminate with UV Resistance

Temperature Range	Material Description	Application Characteristics
Low: 32°F High: 150°F	Printed on 3M™ .002 Premium White Polyester; mounted on durable injection molded plastic .003 3M™ Clear Weatherable Overlaminate with UV Resistance	Indoor/Outdoor applications Where weather resistance and protection from heat, cold, chlorine, high humidity and sunlight are required

Material Code BJ - .060 Rigid White Plastic

Temperature Range	Material Description	Application Characteristics
Low: 32°F High: 140°F	.060 Rigid White Plastic Mounting holes and adhesive tabs may be specified	Indoor/Outdoor applications Where high performance is required Recommended for mounting to flat surfaces

Material Code S2 - .060 Rigid White Plastic, 3M™ Clear Weatherable Overlaminate with UV Resistance

Temperature Range	Material Description	Application Characteristics
Low: 32°F High: 140°F	.060 Rigid White Plastic .003 3M™ Clear Weatherable Overlaminate with UV resistance Mounting holes and adhesive tabs may be specified	Outdoor applications Excellent clarity and protection where UV resistance and outdoor durability are required Recommended for mounting to flat surfaces

Material Code SO - .060 Rigid White Plastic, 3M™ Textured Clear Overlaminate

Temperature Range	Material Description	Application Characteristics
Low: 32°F High: 140°F	.060 Rigid White Plastic .004 3M™ Textured Clear Vinyl Overlaminate Mounting holes and adhesive tabs may be specified	Indoor applications Where non-glare finish with excellent readability from various viewing angles is required Recommended for mounting to flat surfaces

Clarion®

Reducing Risk, Protecting People

Standard Materials for Safety Tags and Pipe Markers

Material Code AW - .020 Writable Tear Resistant White Vinyl with Brass Grommet

Temperature Range	Material Description	Application Characteristics
Low: 32°F High: 160°F	.020 Writable Tear Resistant White Vinyl Grommet: Heavy duty 1/2" ID brass Includes 7-1/2" UV resistant nylon tie	Indoor/Outdoor applications Safety Tags and Lockout Tagout applications Meets OSHA's mandated lockout tag 50 lb. pull test

Material Code P1 - Indoor Protector White Polyester

Temperature Range	Material Description	Application Characteristics
Low: -40°F High: 300°F	.002 Gloss Flexible Radiant 3M™ White Polyester 3M™ Premium Acrylic Adhesive (More than DOUBLE the adhesive of other vendors' pipe markers)	Indoor pipe marker applications Where excellent bond to both high and low energy surfaces is required Where excellent chemical and humidity resistance are required

Material Code P2 - All Environment ProtectorPLUS White Polyester

Temperature Range	Material Description	Application Characteristics
Low: -40°F High: 300°F	.002 Gloss Flexible Radiant 3M™ White Polyester .001 3M™ Ultra-Clear Polyester Overlaminate 3M™ Premium Acrylic Adhesive (More than DOUBLE the adhesive of other vendors' pipe markers)	Outdoor pipe marker applications Where excellent bond to both high and low energy surfaces is required Where excellent chemical and humidity resistance are required