



Clarion®

Reducing Risk, Protecting People

Quick Guide to Standard Materials

Standard Materials for Safety Labels

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

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

Material Code B - 3M™ Premium Polyester, 3M™ Adhesive, 3M™ Weatherable Overlaminat

Temperature Range	Material Description	Application Characteristics
Low -40°F	.002 Flexible 3M™ Premium Polyester	Outdoor applications
High 175°F	.003 3M™ Premium Clear Weatherable Overlaminat 3M™ Premium Adhesive	Adhesion to high and low energy surfaces, textured surfaces and powder coated finishes High degree of weatherability

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

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

Material Code R - Velvet Polycarbonate, 3M™ Acrylic Adhesive, Subsurface Print

Temperature Range	Material Description	Application Characteristics
Low -40°F	.010 Semi-Flexible Velvet Polycarbonate	Indoor applications
High 185°F	3M™ High Performance Acrylic Adhesive	Attractive matte finish Subsurface print for durability and scratch resistance Outstanding adhesion to metal and high surface energy plastics

Material Code A - White Aluminum, 3M™ Acrylic Adhesive, 3M™ Ultra Clear Overlaminat

Temperature Range	Material Description	Application Characteristics
Low -40°F	.032 Rigid White Aluminum	Indoor applications
High 300°F	.001 3M™ Ultra-Clear Polyester Overlaminat 3M™ High Performance Acrylic Adhesive	Rigid metal plate durability Optional holes may be specified

Material Code A1 - White Aluminum, 3M™ Acrylic Adhesive, 3M™ Weatherable Overlaminat

Temperature Range	Material Description	Application Characteristics
Low -40°F	.032 Rigid White Aluminum	Outdoor applications
High 175°F	.003 3M™ Premium Clear Weatherable Overlaminat 3M™ High Performance Acrylic Adhesive	Rigid metal plate durability Optional holes may be specified

Material Code B6 - White Aluminum, No Adhesive, 3M™ Weatherable Overlaminat

Temperature Range	Material Description	Application Characteristics
Low -40°F	.032 Rigid White Aluminum	Outdoor applications
High 175°F	.003 3M™ Premium Clear Weatherable Overlaminat No adhesive	Rigid metal plate durability Mounting holes to be specified

Material Code C2 - White Aluminum, No Adhesive, 3M™ Ultra Clear Overlaminat

Temperature Range	Material Description	Application Characteristics
Low -40°F	.032 Rigid White Aluminum	Indoor applications
High 300°F	.001 3M™ Ultra-Clear Polyester Overlaminat No adhesive	Rigid metal plate durability Mounting holes to be specified



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Standard Materials for Safety Signs

Material Code S2 - .060 White PVC, 3M™ Clear WeatherTuff Overlaminat

Temperature Range	Material Description	Application Characteristics
Low 0°F	.060 Rigid White PVC	Outdoor applications
High 160°F	.003 3M™ Clear WeatherTuff Overlaminat Mounting holes and adhesive tabs may be specified	Where weatherability, UV resistance and durability is required

Material Code S4 - .040 White Aluminum, 3M™ Clear WeatherTuff Overlaminat

Temperature Range	Material Description	Application Characteristics
Low -40°F	.040 Rigid White Aluminum	Outdoor application
High 175°F	.003 3M™ Clear WeatherTuff Overlaminat Mounting holes and adhesive tabs may be specified	Where weatherability, UV resistance, high-strength and durability is required

Material Code SA - 3M Premium Polyester, 3M™ Adhesive, 3M™ Velvet Polycarbonate Overlaminat

Temperature Range	Material Description	Application Characteristics
Low -40°F	.002 Flexible 3M Premium Polyester	Indoor applications
High 250°F	.003 3M™ Velvet Polycarbonate Overlaminat Rounded corners are standard 3M™ adhesive is designed for the ultimate in lay flat application	Where a lay flat flexible material with superior, non-glare graphic appearance is desired

Material Code SB - .060 White PVC, 3M™ Velvet Polycarbonate Overlaminat

Temperature Range	Material Description	Application Characteristics
Low 0°F	.060 Rigid White PVC	Indoor applications
High 160°F	.003 3M™ Velvet Polycarbonate Overlaminat Mounting holes and adhesive tabs may be specified	Where durability with superior, non-glare graphic appearance is desired

Material Code SC - .040 White Aluminum, 3M™ Velvet Polycarbonate Overlaminat

Temperature Range	Material Description	Application Characteristics
Low -40°F	.040 Rigid White Aluminum	Indoor applications
High 175°F	.003 3M™ Velvet Polycarbonate Overlaminat Mounting holes and adhesive tabs may be specified	Where high-strength, durability with superior, non-glare graphic appearance is desired

Material Code SD - .030 Magnetic, 3M™ Velvet Polycarbonate Overlaminat

Temperature Range	Material Description	Application Characteristics
Low -40°F	.030 Flexible Magnetic base	Indoor applications
High 175°F	.003 3M™ Velvet Polycarbonate Overlaminat	Where magnetic bond and superior, non-glare graphic appearance is desired

Material Code W4 - Clarion GlowCore™ Egress Rigid Photoluminescent

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



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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: 0°F	.020 Writable Tear Resistant White Vinyl	Indoor and Outdoor applications
High: 160°F	Grommet: Heavy duty 1/2" ID brass Includes 7-1/2" UV resistant nylon tie	Safety Tags and Lockout Tagout applications Meets OSHA's mandated lockout tag 50 lb. pull test

Material Code P1 - Indoor Protector Polyester

Temperature Range	Material Description	Application Characteristics
Low: -40°F	.002 Gloss Radiant 3M™ White Polyester	Indoor pipe marker applications
High: 300°F	.0018 Acrylic Pressure Sensitive Adhesive (More than DOUBLE the adhesive of other vendors' pipe markers)	Where excellent bond to both high and low energy surfaces is required Where excellent chemical and humidity resistance is required

Material Code P2 - All Environment ProtectorPLUS Polyester

Temperature Range	Material Description	Application Characteristics
Low: -40°F	.002 Gloss Radiant 3M™ White Polyester	Outdoor pipe marker applications
High: 300°F	.0018 Acrylic Pressure Sensitive Adhesive (More than DOUBLE the adhesive of other vendors' pipe markers)	Where excellent bond to both high and low energy surfaces is required
	.001 3M™ Ultra-Clear Polyester Overlaminant	Where excellent chemical and humidity resistance is required

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