



KIWALITE KIWACAL Film Catalog

【Cautions】

- Make sure if our products are what you want or not before you purchase.
- Test our products before you apply. Make sure that surface of substrate is clean and smooth before you apply products.
- Keep products in a cool place. Do not expose products to direct sunshine. Avoid high temperature and humidity.
- We are responsible only for the defects, which we consider attributing to our products. In that case we will replace them.
If defects are attributable to your mishandling, we will not be responsible for them.
- Product specs may change without notice.

*The data described in this catalog consists of measured values under specific conditions, not guaranteed values. Before using, please carry out a full evaluation in advance.
*All application example photos are for reference only. Actual colors, textures, etc. may differ.

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KIWA CHEMICAL INDUSTRY CO.,LTD.

Toward a bright future with our stakeholders worldwide.

Supporting people's lifestyles worldwide through the power of chemistry. With this mission, Kiwa Chemical Industry Co., Ltd. produces film products that we aim to make the global "gold standard." Each and every life in the world is precious, and every person, thing, and action should shine to the maximum. That's why we want to deliver the functions, effects, and ideas you're looking for. We believe that our technologies, which underpin various products with enormous possibilities and rigorous safety standards, can bring smiles to people around the world regardless of cultural, linguistic, and national borders.

KIWALITE

- Prismatic High Intensity Grade #55000 Series
- Engineer Grade #2600 Series
- Fleet Marking Grade #17000 Series
- Safety Grade #9000 Series
- Promotional Grade #19500 Series
- PINF Grade #50000 Series
- Soft Grade #11000 Series
- Cloth Tarpaulin Grade #500 Series
- Zebra Tape

KIWAJET

- Solvent Type Fleet Marking Grade #38150 Series
- Solvent Type Cloth Tarpaulin Grade #38100 Series

KIWACAL

- Self-cleaning Film
- Anti-skid Film
- Anti-graffiti Film
- Anti-poster Film
- Transparent PVC Film

KIWALITE KIWAJET

KIWALITE Series

KIWALITE Reflective Sheeting, which produces characters and symbols that glow when illuminated, is widely used for traffic signs that protect people and cars. KIWALITE boasts a long track record of excellent durability, ease of repair and cost performance. It boasts outstanding night visibility, and is also a highly popular material for advertisements. As the global standard for products of its type, it is sure to be used in diverse fields from now on.

Prismatic High Intensity Grade #55000 Series

With powerful reflective performance, this sheeting can also be layered, printed on, and used in conjunction with transparent colored film.

This product has reflective strength equivalent to or higher than conventional encapsulated glass beads type reflective sheeting, and makes it possible to layer different colors of reflective sheeting, or to combine with printed or transparent colored film to produce signs of excellent quality. Ideal for regulatory signs, warning signs, delineators, etc. on major roadways.

Standard size / 1230mm×45.7m



Color Lineup



Engineer Grade #2600 Series

The most commonly used grade for official signage. Also suitable for other types of signs when long-term durability is required.

Enclosed glass beads type reflective sheeting. Glass beads are sealed in transparent resin to produce sheeting with excellent reflective performance, durability and processability. Reflective performance is outstanding both day and night. Besides official signs, which require durability for seven years, it is optimal for long-term billboards.

Standard size / 1240mm×45.7m



Color Lineup



Fleet Marking Grade #17000 Series

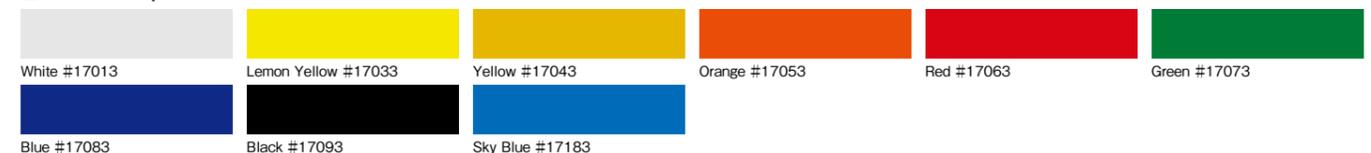
Reflective sheeting that can be applied easily even on corrugated or irregular surfaces. Offers outstanding durability and elasticity.

Enclosed glass beads type reflective sheeting designed to be affixed to curved surfaces, including corrugated and irregular ones (for marking containers, automobiles, etc.) Offers excellent durability, toughness, and stretchability. It's easy to handle, so anyone can paste it at construction sites, and it can be used in place of Engineer Grade #2600 Series.

Standard size / 1240mm×45.7m



Color Lineup



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Safety Grade #9000 Series

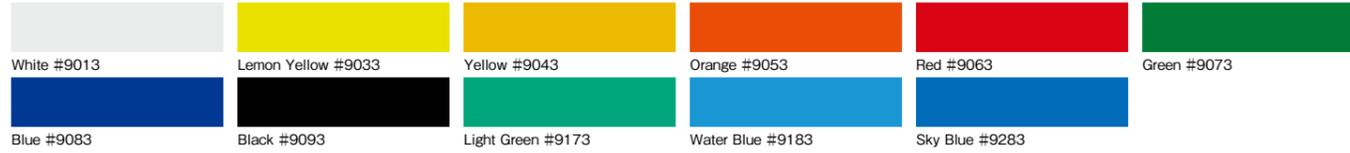
Reflective sheeting for relatively short-term outdoor use, available in a wide range of colors, suitable for construction signs, standing signs, stickers, and so on.

Enclosed glass beads type reflective sheeting. Available in a wide variety of colors, this product is intended for relatively short-term outdoor sticker applications, and with a degree of flexibility, can be pasted on gently curving surfaces.



Standard size / 1240mm×45.7m

Color Lineup



Promotional Grade #19500 Series

This sheeting is tough and will not rip, so anyone can paste it on easily.

Enclosed glass beads type reflective sheeting. Utilizes polyester film for the surface layer, improving adhesion of commercial inks, and combines toughness, versatile pasteability, and good cost performance. Suitable for relatively short-term outdoor uses, such as industrial signs, standing signs, and stickers.



Standard size / 920mm×45.7m-1240mm×45.7m

Color Lineup



PINF Grade #50000 Series

Combines fluorescent color for improved visibility and toughness equivalent to promotional grade.

Sheeting with fluorescent color added to KIWALITE Promotional Grade #19500 series. Fluorescent color improves visibility at dusk in addition to reflective sheeting performance at night. Suitable for relatively short-term outdoor uses, such as construction signs, standing signs, and stickers.



Standard size / Lemon Yellow:1240mm×45.7m- Green:920mm×45.7m

Color Lineup



Soft Grade #11000 Series

Sheeting that can be made into stickers, etc. and pasted directly on clothing and other textile products.

Sheeting developed to be pasted on flexible materials such as clothing. This reflective sheeting can be made into stickers, etc. and pasted directly on clothing and other textile products, or cut into textual characters for banners of tarpaulin material. Excellent reflective performance both day and night (though not suitable for road signs, etc.)



Standard size / 920mm×45.7m

Color Lineup



Cloth Tarpaulin Grade #500 Series

Reflective sheeting to be sewn onto uniforms for security and sports. The leather-like reflective cloth combines reflective sheeting and fabric.

Tough and flexible sheeting that is clearly visible, even at night, designed to be sewn onto various garments including sports uniforms, traffic safety belts, and jogging wear.

Reflective sheeting and fabric are integrated to make reflective cloth that is tough and easy to handle.



Standard size / 920mm×45.7m

Color Lineup



Zebra Tape

Reflective sheeting that can quickly be pasted in hazardous places.

Zebra Tape is enclosed type reflective sheeting incorporating a tough, transparent plastic film surface and high refractive index micro glass beads in resin, in the form of a tape that is highly visible regardless of the time of day. Reflects light so it is easy to see even in the dark, and quick and convenient for pasting in hazardous places that vehicles might hit or areas requiring caution, such as in parking lots, factories, and warehouses.

Standard size / 150mm width×10m (6 rolls / 1 case), 90mm width×10m (12 rolls / 1 case), 45mm width×10m (24 rolls / 1 case)

Color Lineup



Solvent Type Fleet Marking Grade #38150 Series

Durable and flexible fleet marking grade sheeting compatible with inkjet printing.

Fleet Marking Grade reflective sheeting enables high-quality printing with solvent-type inkjet printers. This reflective sheeting offers both superior outdoor weather resistance and high-quality printing capabilities. It was developed for use on base materials with curved surfaces, so it can be used for wraparound advertisements on buses and trucks, curved advertising signboards and so forth. Advertisements reach target audiences effectively both day and night.



Standard size / 1240mm×45.7m

Color Lineup



Solvent Type Cloth Tarpaulin Grade #38100 Series

Reflective tarpaulin film that enables high-quality printing with solvent-type inkjet printers.

Uses tarpaulin material that is easy to work with, so printing and installation are a breeze. Reflective signboard construction can be done quickly on-site. And since reflective tarpaulin is used, places where the material is affixed appear brighter at night due to headlights of passing vehicles, and lighting systems are unnecessary.



Standard size / 920mm×20m

Color Lineup



KIWACAL

KIWACAL Series

This sheeting has been treated for various purposes and has special functions. Various overlay films with special functions are tailored to a wide range of applications, so you can find the film that suits your needs. We use proprietary coating technology to offer special films not available from other companies.

Self-cleaning Film

Overlay film which effectively cleans itself

Dust and dirt on KIWACAL "Self-cleaning Film" are washed out with rainwater. No need to clean the surface. Anti-dew property keeps clear view and its design.

- ◆ Super hydrophilic special top coating helps to form water layer on the surface. The water layer is washed out together with dust and dirt. Keeps the surface clean.
- ◆ Suitable for a long-term outdoor use with high weathering durability.
- ◆ Blocks 99% of UV ray, and protects substrate from fading.

Application / billboard, window glass surface, outdoor displays to clean with difficulty.
Standard roll size / 1240mm width x 50m length



Anti-skid Film

Decoration and advertisement with floor safety.

KIWACAL "Anti-skid Film" works on slippery floor surface of outdoor or indoor where applied. The transparency keeps substrate decoration and advertisement vividness.

- ◆ Best for safe and effective floor advertisement.
- ◆ Transparent glass beads give anti-skid function and do not spoil substrate decoration.
- ◆ Blocks UV ray and protects substrate from fading.
- ◆ Suitable for a long-term outdoor use with high weathering durability and dimensional stability.

Application / overlay for floor advertisement, floor surface of factory and warehouse, etc., steps of ladder and stairs, etc.
Standard roll size / 1240mm width x 50m length



Anti-graffiti Film

Graffiti in public space is a social problem in our community. Protects your properties from such graffiti.

KIWACAL "Anti-graffiti Film" protects your precious properties from graffiti defacing city scenery. It is easy to remove graffiti, and effective for restoration.

- ◆ Easy to remove graffiti drawn with permanent marker and lacquer spray.
- ◆ High weathering durability, high transparency, and high gloss. Keeps good appearance for a long term.
- ◆ Blocks UV ray and protects substrate from fading.

Application / billboard, poster, vending machine, public equipments such as telephone pole, guardrail, and road signs, etc.
Standard roll size / 1230mm width x 50m length



Anti-poster Film

High weathering durability keeps city scenery clean.

KIWACAL "Anti-poster Film" with textured surface formed by special coating effectively discourages one from billposting. Easy to remove flyers and posters from the surface.

- ◆ Easy to remove flyers and posters, and keeps good appearance for a long term.
- ◆ Adhesive makes easy application.
- ◆ Blocks UV ray and protects substrate from fading.

Application / electric distribution equipments, public facilities such as telephone pole, guardrail, and road signs, etc.
Standard roll size / 1240mm width x 50m length



Transparent PVC Film

Printable PVC casting film for overlay.

KIWACAL "Clear PVC Film" is elastic and easy to apply over curved surface. Suitable for overlay as well as clear printing media.

- ◆ High weathering durability suitable for mid-to long term use.
- ◆ High quality casting film with high dimensional stability.
- ◆ Blocks UV ray, and protects substrates from fading.
- ◆ Glossy and matte types available.

Application / overlay, billboard, car marking, etc.
Standard roll size / 1370mm width x 30m length



KIWALITE characteristics, by type

Product name	Durability	Product size	Film thickness (μm) including adhesive	Surface material / Adhesive
Prismatic High Intensity Grade #55000 Series	10 years (except fluorescent and orange)	1230mm x 45.7m	410±40	Acrylic resin / Acrylic adhesive
Engineer Grade #2600 Series	7 years (orange = 3 years)	1240mm x 45.7m	155±15	Urethane resin / Acrylic adhesive
Fleet Marking Grade #17000 Series	5-7 years (basic colors)	1240mm x 45.7m	145±15	Vinyl chloride resin / Acrylic adhesive
Safety Grade #9000 Series	2-3 years (basic colors)	1240mm x 45.7m	110±15	Alkyd resin / Acrylic adhesive
Promotional Grade #19500 Series	1-2 years	920mm x 45.7m 1240mm x 45.7m	120±15	Polyester resin / Acrylic adhesive
PINF Grade #50000 Series	1 year	Green 920mm x 45.7m Lemon yellow 1240mm x 45.7m	140±15	Polyester resin / Acrylic adhesive
Soft Grade #11000 Series	2-3 years (lemon yellow = 1 year)	920mm x 45.7m	120±15	Urethane resin / Acrylic adhesive
Cloth Tarpaulin Grade #500 Series	2-3 years (lemon yellow = 1 year)	920mm x 45.7m	405±40	Urethane resin / -
Zebra Tape	1-2 years	150mm width x 10m (6 rolls / 1 case) 90mm width x 10m (12 rolls / 1 case) 45mm width x 10m (24 rolls / 1 case)	120±15	Polyester resin / Acrylic adhesive

KIWAJET characteristics, by type

Product name	Durability	Product size	Film thickness (μm) including adhesive	Surface material / Adhesive
Solvent Type Fleet Marking Grade #38150 Series	5-7 years	1240mm x 45.7m	145±15	Vinyl chloride resin / Acrylic adhesive
Solvent Type Cloth Tarpaulin Grade #38100 Series	2-3 years	920mm x 20m	430±40	Vinyl chloride resin / -

KIWACAL functional film characteristics, by type

Product name	Durability	Product size	Film thickness (μm) including adhesive	Surface material / Adhesive
Self-cleaning Film	10 years or equivalent	1240mm x 50m	70±10	Silica microparticle, fluorine-based resin / Acrylic adhesive
Anti-skid Film	7-10 years	1240mm x 50m	205±30	Acrylic resin / Acrylic adhesive
Anti-graffiti Film	7-10 years	1230mm x 50m	80±10	Fluorine-based resin / Acrylic adhesive
Anti-poster Film	7-10 years	1240mm x 50m	205±30	Silicone resin / Acrylic adhesive
Transparent PVC Film	5 years or equivalent	1370mm x 30m	70±10	Vinyl chloride resin / Acrylic adhesive

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