Prepainted Steel Sheets

**VIEWKOTE™**

Our Prepainted VIEWKOTE™ Steel Sheets are manufactured to fit the wide-ranging needs of our customers. These sheets offer innovative design and improvements in productivity, thanks to our leading-edge painting facilities as well as the effective combination of our independently developed broad range of paints and base steels.
NIPPON STEEL'S VIEWKOTE means high quality prepainted steel sheets. Featuring outstanding coating performance, VIEWKOTE offers substantial improvements in almost all usage scenes.

VIEWKOTE offers a wide range of products meeting the needs of all users thanks to its winning combination of specialized production lines and wide variety of proprietary coatings.

We use a curtain flow coater to achieve coated surfaces that are both smooth and attractive. In addition, deposits of dust and debris are minimized by extensive cleanup measures, resulting in superior quality and coating performance.

VIEWKOTE gives users a broad range of improvements, including reductions in processing as well as space- and energy-saving benefits.

Manufacturing Locations
Creating an eco-friendly environment by eliminating your coating process

By using VIEWKOTE, you can:
- Eliminate the coating operations, thereby improving the workplace environment,
- Eliminate global environmental problems caused by waste treatment of coatings, waste gas processing, and noxious odors,
- Achieve great improvements in productivity by shortening and serializing the production process,
- Use coating-related space for other purposes,
- Create excellent designs that previously could not be achieved by the post-coating process.

VIEWKOTE™ Application Examples

<table>
<thead>
<tr>
<th>VIEWKOTE Application Examples</th>
<th>VIEWKOTE-recommended specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lighting equipment</td>
<td>VIEWKOTE Type I</td>
</tr>
<tr>
<td>Flat-panel TV</td>
<td>VIEWKOTE Type I</td>
</tr>
<tr>
<td>Digital recorder</td>
<td>VIEWKOTE Type I</td>
</tr>
<tr>
<td>Auto on-board equipment</td>
<td>VIEWKOTE Type I</td>
</tr>
<tr>
<td>Outdoor air-conditioner unit</td>
<td>VIEWKOTE Type I</td>
</tr>
<tr>
<td>Refrigerator, Washing machine</td>
<td>VIEWKOTE Type I</td>
</tr>
<tr>
<td>Automobile parts</td>
<td>VIEWKOTE Type I</td>
</tr>
</tbody>
</table>

- VIEWKOTE Type I
- Electroconductivity Type
- Heat Absorption Type
- Backing coating
- Lubrication Type

VIEWKOTE Application Examples—Creating an eco-friendly environment by eliminating your coating process

- Eliminate the coating operations, thereby improving the workplace environment,
- Eliminate global environmental problems caused by waste treatment of coatings, waste gas processing, and noxious odors,
- Achieve great improvements in productivity by shortening and serializing the production process,
- Use coating-related space for other purposes,
- Create excellent designs that previously could not be achieved by the post-coating process.
Features

Cross section example of VIEWKOTE™

- Top coating
- Primer coating
- Chemical treatment
- Steel sheet
- Chemical treatment
- Backing coating

Example of the manufacturing process

Kimitsu Coil Coating Line

Main Specifications

<table>
<thead>
<tr>
<th>Available items</th>
<th>High-grade prepainted sheets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available sizes</td>
<td>Thickness 0.3〜1.2mm (1.6) Width 600〜1320mm</td>
</tr>
<tr>
<td>Painting process</td>
<td>2-coat, 2-bake process is applicable for both surfaces</td>
</tr>
<tr>
<td>Base sheets</td>
<td>Hot-dip galvanized sheets, electrogalvanized sheets, cold-rolled sheets, etc.</td>
</tr>
</tbody>
</table>

Cleaning technology

Main coater

Clean room entrance
**Examples of Properties**

<table>
<thead>
<tr>
<th>Evaluation Items</th>
<th>Type I</th>
<th>Type II</th>
<th>Type III</th>
<th>Type IV</th>
<th>Type V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paint type</td>
<td>Polyethylene</td>
<td>Polyethylene</td>
<td>Polyethylene</td>
<td>Polyethylene</td>
<td>Polyethylene</td>
</tr>
<tr>
<td>Highly workable type</td>
<td>Low</td>
<td>Low</td>
<td>Low</td>
<td>Low</td>
<td>Low</td>
</tr>
<tr>
<td>Balanced type in workability</td>
<td>Balanced</td>
<td>Balanced</td>
<td>Balanced</td>
<td>Balanced</td>
<td>Balanced</td>
</tr>
<tr>
<td>Highly resistant type to corrosion</td>
<td>Highly resistant</td>
<td>Highly resistant</td>
<td>Highly resistant</td>
<td>Highly resistant</td>
<td>Highly resistant</td>
</tr>
<tr>
<td>Highly resistant type to high-temperature processing</td>
<td>Highly resistant</td>
<td>Highly resistant</td>
<td>Highly resistant</td>
<td>Highly resistant</td>
<td>Highly resistant</td>
</tr>
<tr>
<td>Typical applications</td>
<td>Outdoor air-conditioner unit, back panel, equipment</td>
<td>Refrigerators</td>
<td>Truck body</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Surface hardness**
- Pencil hardness test
  - F: 2H
  - H: 4H
  - R: 6H
  - 2H: 2H

**Workability**
- Bending limit
  - Without coating: 500 hrs weatherometer
  - With coating: 240 hrs salt spray test

**Stain resistance**
- Surface physical properties: showcase unit (back panel)
- Type: Highly workable type, Universal type

**Chemical resistance**
- Change of color (E)
- Gloss-retaining rate (G.R.)
- Weatherability

**Note:**
1. The types of the base sheets and their symbols conform to NIPPON STEEL sales product specifications.
2. Coating mass depends on the specifications for individual substrates.
3. Type with initial anti-end-surface corrosion measures.
4. Type capable of adhesive bonding.
5. Type with initial anti-end-surface corrosion measures.
6. Type with initial anti-end-surface corrosion measures.
7. Type with initial anti-end-surface corrosion measures.
8. Type with initial anti-end-surface corrosion measures.
9. Type with initial anti-end-surface corrosion measures.
10. Type with initial anti-end-surface corrosion measures.

**Table 1. Types of base sheet and symbols**

<table>
<thead>
<tr>
<th>Type of base sheet</th>
<th>Symbol</th>
<th>Nominal thickness (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>For general use</td>
<td>NSGCC</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For structure use</td>
<td>NSGC2</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For general use</td>
<td>NSGC1</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For structure use</td>
<td>NSGC0</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For structure use</td>
<td>NSGC30</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For structure use</td>
<td>NSGC40</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For structure use</td>
<td>NSGC50</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For structure use</td>
<td>NSGC60</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For structure use</td>
<td>NSGC70</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For structure use</td>
<td>NSGC80</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For structure use</td>
<td>NSGC90</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For structure use</td>
<td>NSGC100</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For structure use</td>
<td>NSGC200</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For structure use</td>
<td>NSGC300</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For structure use</td>
<td>NSGC400</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For structure use</td>
<td>NSGC500</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For structure use</td>
<td>NSGC600</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For structure use</td>
<td>NSGC700</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For structure use</td>
<td>NSGC800</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For structure use</td>
<td>NSGC900</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
<tr>
<td>For structure use</td>
<td>NSGC1000</td>
<td>0.20 or more, 1.2 or less</td>
</tr>
</tbody>
</table>

**Table 2. Types of paint coating and symbols**

<table>
<thead>
<tr>
<th>Type of paint coating</th>
<th>Symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highly workable type</td>
<td>1</td>
</tr>
<tr>
<td>Balanced type in workability</td>
<td>2</td>
</tr>
<tr>
<td>Stain-resistant type</td>
<td>3</td>
</tr>
<tr>
<td>Highly workable type</td>
<td>4</td>
</tr>
<tr>
<td>Highly workable type</td>
<td>5</td>
</tr>
<tr>
<td>Highly corrosion-resistant type</td>
<td>6</td>
</tr>
<tr>
<td>Heat-resistant, non-stick type</td>
<td>7</td>
</tr>
<tr>
<td>Type with initial anti-end-surface corrosion measures</td>
<td>8</td>
</tr>
<tr>
<td>Ultra-thin, non-stick type</td>
<td>9</td>
</tr>
<tr>
<td>Heat absorptivity type</td>
<td>10</td>
</tr>
<tr>
<td>High insulativity type</td>
<td>11</td>
</tr>
<tr>
<td>High reflectivity type</td>
<td>12</td>
</tr>
<tr>
<td>Heat corrosion-resistant type</td>
<td>13</td>
</tr>
<tr>
<td>Heat absorptivity type</td>
<td>14</td>
</tr>
<tr>
<td>Heat insulativity type</td>
<td>15</td>
</tr>
<tr>
<td>Heat absorptivity type</td>
<td>16</td>
</tr>
</tbody>
</table>

Note:
1. The symbol of the coating applied to the back side of prepainted sheets is in order to provide a minimal degree of corrosion resistance.
**Available Size Ranges**

1. **Coil Products (Thickness, Width)**

   - **DURGRIP base sheets**
     - (for general use, Types 1-3 for drawing)
     - Thickness (mm):
       - Width (mm): 25, 600, 800, 1000, 1300
       - Thickness:
         - 0.30
         - 0.40
         - 0.50
         - 0.60
         - 0.70
       - Range considered for production:
         - (25, 1.6)
         - (1030, 1.6)
         - (1305, 1.2)

   - **DURGRIP base sheets (400N grade for structural applications)**
     - Thickness (mm):
       - Width (mm): 25, 600, 800, 1000, 1300
       - Thickness:
         - 0.50
         - 0.60
         - 0.70
         - 0.80
         - 0.90
       - Range considered for production:
         - (25, 1.6)
         - (1030, 1.6)
         - (1305, 1.2)

   - **Cold-rolled sheets / ZINKOTE / DURZINKOLITE base sheets**
     - Thickness (mm):
       - Width (mm): 25, 600, 800, 1000, 1300
       - Thickness:
         - 0.30
         - 0.40
         - 0.50
         - 0.60
         - 0.70
       - Range considered for production:
         - (25, 1.6)
         - (1030, 1.6)
         - (1305, 1.2)

2. **Electrical joining**

   - When using an existing spot welding process, the paint coating in the weld area must be removed prior to welding. Remove the paint coating with a grinder or a sandpaper or by burning. Special welding practices such as projection welding (ring-shaped projection also available) and stud welding are applicable. These welding methods allow the reverse side of VIEWKOTE to be welded to other metal without damaging the surface of the paint coating.

3. **Adhesive joining**

   - Since the selection of adhesives and coating systems depends on the type, intended use, and decorative design of the materials to be bonded, please consult us.

4. **3. Protective Film**

   - **Electrode**
     - Copper or steel cooling board
   - **Paint coating**
     - VIEWKOTE™
   - **Conductive surface**
   - **Metal**
   - **Paint coating**
   - **VIEWKOTE™**

5. **Examples of Joining Methods**

   - **Single lock seam**
     - Grooved single lock seam
     - Double lock seam
   - **Double lock standing seam**
     - Standing seam
     - C joint
   - **Thrust-in rivet**
     - Rivet-fixed standing seam
     - Rivet covered with plastic cap
   - **Self-tapping screw**
     - Top lock

6. **Examples of Projection Welding**

   - This procedure is designed to concentrate the thermal energy of welding process locally and to complete the operation before the welding heat can spread to the surrounding area. For this purpose, the steel sheet to be deposited (attachment) is provided with globular or ring-shaped projections using punch and die. This permits the welding to be completed by a localized, short-term generation of heat, thus eliminating any deleterious effect on the resin paint coating.

7. **Weld area**

   - Copper or steel cooling board

8. **DURGRIP base sheets**

   - Thickness (mm):
     - Width (mm): 25, 600, 800, 1000, 1300
     - Thickness:
       - 0.30
       - 0.40
       - 0.50
       - 0.60
       - 0.70
     - Range considered for production:
       - (25, 1.6)
       - (1030, 1.6)
       - (1305, 1.2)

   - **Electrode pressure**
     - Range (mm):
       - Width (mm): 25, 600, 800, 1000, 1300
       - Thickness:
         - 0.30
         - 0.40
         - 0.50
         - 0.60
         - 0.70
         - 0.80
         - 0.90
       - Range considered for production:
         - (25, 1.6)
         - (1030, 1.6)
         - (1305, 1.2)

The items mentioned above are standard products; please consult us if you have requests for other substrate specifications or sizes.
Precautions in Use

4. Protection of Cut Edges

- Starting from the design stage, recommend using a construction method that hides cut edges to improve the appearance of the product.
- Recommend shaping the structure so that water does not collect where cut edges are exposed.
- Recommend shaping the structure so that water does not contact the cut edges even if water does collect where cut edges and other processing has taken place. (Structural countermeasures such as hemming processing)

To ensure proper end face corrosion resistance, please consult us for recommendations of the right type of coating and the right coating mass for the substrate where VIEWKOTE is used, according to the usage environment and application.

5. Cleaning

It is recommended that stains due to oil and the like be rinsed using alcohol, benzine or a neutral detergent. Avoid the use of kerosene, other thinner or trichlene, because they may damage the paint coating. Great care should also be given to the fact that a hand- or sweat-stained portion, if left as is, may discolor. When a solvent or other chemical is used for cleaning VIEWKOTE, discolor. Prevent hardening of the paint coating due to low temperatures in winter or softening due to elevated temperatures in summer.

VIEWKOTE should be stored indoors in order to prevent rust due to moisture and to prevent hardness of the paint coating due to low temperatures in winter or softening due to elevated temperatures in summer. Storing VIEWKOTE for extremely long periods may pose problems in press-forming. When VIEWKOTE has been specified for delivery with a protective film attached, be sure to apply the film in the correct order that hides cut edges to improve the appearance of the finished product and should be used in the condition it was received.

6. Storage

Avoid the use of ketone, ether thinner or trichlene, because they may damage the paint coating. Great care should also be given to the fact that a hand- or sweat-stained portion, if left as is, may discolor. When a solvent or other chemical is used for cleaning VIEWKOTE, wipe it off thoroughly before packaging. If subjected to heating or similar treatments, VIEWKOTE should be packaged after it has cooled to normal temperatures.

7. Repairs

Especially when cutting, press-forming, roll-forming or handling VIEWKOTE during transit, use great care not to damage the paint coating. Should it be grazed or scratched by accident, please consult us for repair paint systems.

Use special care when handling VIEWKOTE because it is an integral part of the finished product and should be used in the condition it was received.

8. Aging

Generally, steel sheets tend to show deterioration in quality over time—e.g. degraded formability, stretcher stains, and coil breaks. To avoid this, use at the earliest possible time is recommended. However, this problem can be avoided if products with aging resistance are selected.

9. Attention

When removing (cutting) coil binding hoops (bands) for use, make certain that the end of the coil is directly beneath the coil center in order to prevent the end of the coil from sudden springing out of the coil end; or, be certain to conduct the removal in a place where safety can be assured and no danger is posed if the coil end were to spring out upon release.

Coils are formed by winding flat sheets. When the binding hoops or other external forces that keep the sheet in coil form are removed and the coil end is freed, the coil end will spring outward to return to a flat state. Further, there are also cases when the coil bindings become loose, allowing the coil to spring out. Such cases may endanger nearby workers and cause damage, so careful attention must be paid when removing the coil binding hoops (bands).

10. Warning

Falling and rolling coils are very dangerous, as is the collapse of piled sheets. To prevent such accidents during storage, due care should be paid to storing products in a stable, secure state.

Packaging and Marking

Products are shipped as packaged to protect them from damage during transit and in storage. Products are identified by a packaging label attached to one end of the package. The label is a good aid for acceptance and storage of products. The information on the label is as follows.

[1] Nominal Label

<table>
<thead>
<tr>
<th>Line No.</th>
<th>Brand name</th>
<th>VIEWKOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Line No.</td>
<td>Specification</td>
<td>Code for specification and color symbol</td>
</tr>
<tr>
<td>Line No.</td>
<td>Coating mass</td>
<td>Symbol for coating mass</td>
</tr>
<tr>
<td>Line No.</td>
<td>Size</td>
<td>Ordered size is indicated</td>
</tr>
<tr>
<td>Line No.</td>
<td>Number of sheets</td>
<td>For cut sheets only</td>
</tr>
<tr>
<td>Line No.</td>
<td>Mass</td>
<td>Mass (actual or theoretical) is indicated, depends on the conditions of contract</td>
</tr>
<tr>
<td>Line No.</td>
<td>Case No.</td>
<td>Package No.</td>
</tr>
</tbody>
</table>

[2] Example of Packaging

Reference

<table>
<thead>
<tr>
<th>Standard Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table of unit mass (kg/m²)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type</th>
<th>DURGRIP</th>
<th>ZINKOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.30</td>
<td>2.538</td>
<td>—</td>
</tr>
<tr>
<td>0.40</td>
<td>3.323</td>
<td>3.290</td>
</tr>
<tr>
<td>0.50</td>
<td>4.158</td>
<td>4.045</td>
</tr>
<tr>
<td>0.60</td>
<td>4.893</td>
<td>4.830</td>
</tr>
<tr>
<td>0.70</td>
<td>5.678</td>
<td>5.619</td>
</tr>
<tr>
<td>0.80</td>
<td>6.463</td>
<td>6.400</td>
</tr>
<tr>
<td>0.90</td>
<td>7.248</td>
<td>7.186</td>
</tr>
<tr>
<td>1.00</td>
<td>8.033</td>
<td>7.970</td>
</tr>
<tr>
<td>1.20</td>
<td>9.603</td>
<td>9.540</td>
</tr>
</tbody>
</table>

Guide for Making Inquiries

Please furnish the following information:

- Application, part identification
- Shape of fabrication
- Service environment
- Existing materials in use
- Required properties of paint coating, etc.
- Surface color, gloss
- Surface specifications
- Whether a protective film is required or not
- Sizes
- Whether recoating is necessary or not
**Features**

- Diffuse reflectivity of 92-98%.
- Can be deep drawn.
- Has excellent basic properties including corrosion and chemical resistance.
- Both electromagnetic shielding and temperature control can be achieved by selecting heat absorption types with good electroconductivity in the back coating.
- Chrome-free and eco-friendly.

**Diffuse Reflectivity**

(Wavelength 555nm)

**Example of Properties**

Typical performances are shown below.

<table>
<thead>
<tr>
<th>No.</th>
<th>Test item</th>
<th>Test conditions</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Reflectivity</td>
<td>Diffuse reflectivity, wavelength 555nm; Spectrophotometer UV-3100PC made by Shimadzu Corporation</td>
<td>92-98%</td>
</tr>
<tr>
<td>2</td>
<td>Workability</td>
<td>Cylindrical drawing; Drawing ratio 2.0 / punch; die R3mm</td>
<td>No cracks</td>
</tr>
<tr>
<td>3</td>
<td>Corrosion resistance</td>
<td>8 hrs of salt spray + 16 hrs rest x 3 cycles</td>
<td>Nothing abnormal in appearance</td>
</tr>
<tr>
<td>4</td>
<td>Acid resistance</td>
<td>5% HCl drip; normal temperature, 24 hrs</td>
<td>Nothing abnormal in appearance</td>
</tr>
<tr>
<td>5</td>
<td>Alkali resistance</td>
<td>5% NaOH; normal temperature, 24 hrs</td>
<td>Nothing abnormal in appearance</td>
</tr>
<tr>
<td>6</td>
<td>Heat resistance</td>
<td>70°C, 240 hrs</td>
<td>Nothing abnormal in appearance</td>
</tr>
</tbody>
</table>

**Examples of Applications**

- Reflectors for lighting equipment, liquid crystal parts, etc.

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Features

- Hydrophilic coating vastly improves resistance against rain drop stains.
- Offers high workability thanks to optimal substrate design.
- Also offers excellent weatherability and stain resistance in processed areas.
- A wide range of color variations, including metallic tones.
- Chromate-free and eco-friendly.

Comparison of the Self-Cleaning Type and Conventional Type VIEWKOTE

Below are the results of comparisons of resistance to raindrop stains. For outdoor applications, the Self-Cleaning Type was found to be superior to conventional VIEWKOTE.

Flat sections

- Self-Cleaning Type
- Conventional VIEWKOTE for outdoor air-conditioner units

Processed sections

<table>
<thead>
<tr>
<th>After drawing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Before exposure</td>
</tr>
</tbody>
</table>

Self-Cleaning Type

Our conventional VIEWKOTE

After one month of outdoor exposure at Kimitsu City, Chiba, Japan (industrial zone)
(Conditions: plate thickness 0.5mm, zinc coating ZD8, steel grade SGCC02, drawing ratio 2, BHE 19)

Examples of Applications

- For outside panel of hot-water supply system, outside panel of outdoor air-conditioner unit, range hoods, etc.

However, not recommended for paint refinishing applications
**Prevention of Dust Adhesion**

In the past, most antistatic coatings simply facilitated the discharge of the electric charge. Antistatic Type VIEWKOTE does more. It actually prevents objects from becoming charged with electricity from friction. Thus, Antistatic Type VIEWKOTE prevents dust adhesion, even during electric charging.
Orange-Peel-Surfaced VIEWKOTE

Features

- A pebbled surface like that of an orange peel is achieved by special beads in the coating. These beads then melt during heating when the coating is enameled.
- This coating improves processing yield by making handling scratches less visible.
- Its workability, chemical resistance, and other basic properties are the same as conventional VIEWKOTE. (Can also include antistatic property.)
- Chromate-free and eco-friendly.

Examples of Basic Properties and Improvement of Yield

Example of basic properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Pencil hardness scratch test (see Note 1)</th>
<th>T-bend at 20°C (see Note 1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orange-Peel-Surfaced VIEWKOTE</td>
<td>HB ~ F</td>
<td>1T ~ 4T</td>
</tr>
</tbody>
</table>

Note 1: Determined by visual inspection

Example of yield improvement

<table>
<thead>
<tr>
<th></th>
<th>Conventional VIEWKOTE</th>
<th>Orange-Peel-Surfaced VIEWKOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Defect rate from scratches during handling</td>
<td>&gt; 5%</td>
<td>Improvement &lt; 2% (▼3%)</td>
</tr>
</tbody>
</table>

Example measured on the same production line

Exterior

Example: Orange-Peel-Surfaced VIEWKOTE

Examples of Applications

- Outside panel of outdoor air-conditioner unit,
  oil-fired hot-water supply, refrigerator, washing machine, etc.