NS Wheeling-Nisshin, Inc. gained this reputation by being the only steel coating facility in the United States to produce all major hot-dip coated products under one roof. We have now expanded this product universe with the addition of the next generation of coated products —— ZAM®. This newest product offering raises the bar by setting a new standard for corrosion resistance and positions NS Wheeling-Nisshin as the industry leader for the 21st century.

Over the years NS Wheeling-Nisshin has taken advantage of the flexibility provided by two fully-computerized coating lines with a broad product base and the capability of reacting to market trends. The AGL has been operating successfully since 1988 and the CGL since 1993. Both multi-product lines have a long standing reputation for producing high quality, cost effective corrosion resistant sheet product.

NS Wheeling-Nisshin’s mission is to encourage a concept of continuous improvement among our dedicated employees that translates into providing a superior product to a diverse customer base. A customer base that will expand even more with the introduction of ZAM®.
NS Wheeling-Nisshin’s hot dipped galvanized sheet boasts superior flatness, a spangle free surface, and excellent drawability. In addition, due to NS Wheeling-Nisshin’s dual coating lines we have the capability to produce a wide range of sizes and steel grades.

Our galvanized product proves useful in a variety of applications including automotive, roofing, cladding, building panels, doors, door frames, partitions, oil pans, garbage cans, domestic appliances, HVAC, etc.

THE RUN DOWN

MATERIAL THICKNESS ▶ 0.008” through 0.130”
MATERIAL WIDTH ▶ 24” through 61”
ASTM SPECIFICATION ▶ ASTM A653
STEEL GRADES ▶ Commercial Steel ▶ Deep Drawing Steel
▶ Extra Deep Drawing Steel ▶ Forming Steel
▶ HSLA Steel Grades ▶ Structural Steel Grades
COATING WEIGHT ▶ G30 ▶ G40 ▶ G60 ▶ G90
▶ G100 ▶ G115 ▶ G140 ▶ G185
(UL and Other Coating Weights Available, Please Inquire)
COIL WEIGHT ▶ 10,000 lbs. maximum through 55,000 lbs. maximum
COIL ID ▶ 20” and 24”
AFTER TREATMENT ▶ Chemical Treatment (RoHS Compliant Available)
▶ Oiling
▶ Acrylic (RoHS Compliant, Please Inquire)
▶ Stenciling

SIZE CHART
A high level of corrosion resistance, superior flatness, and an excellent surface suitable for painting are a few attributes that characterize NS Wheeling-Nisshin’s Galvalume® coated product.

This product can be used in a wide variety of applications including roofing, building panels—both painted and bare, wall panels, computer cases, furnace parts, drain pans, microwave oven frames, duct work, etc.

**THE RUN DOWN**

**MATERIAL THICKNESS**
- 0.008” through 0.068”

**MATERIAL WIDTH**
- 24” through 50”

**ASTM SPECIFICATION**
- ASTM A792

**STEEL GRADES**
- Commercial Steel
- Drawing Steel
- Structural Steel Grades

**COATING WEIGHT**
- AZ30
- AZ35
- AZ40
- AZ50
- AZ55
- AZ60

(Ul Coating Weights Available, Please Inquire)

**COIL WEIGHT**
- 10,000 lbs. maximum through 55,000 lbs. maximum

**COIL ID**
- 20” and 24”

**AFTER TREATMENT (UPON REQUEST)**
- Chemical Treatment (RoHS Compliant Available)
- Oiling
- Acrylic (RoHS Compliant, Please Inquire)
- Stenciling

**SIZE CHART**

Galvalume® is a registered trademark of BIEC International, Inc.
Coils are continuously fed into the line after any off-gauge sheet is cropped off. A gamma-ray thickness gauge provides the capability to measure and datalog the entire coil’s sheet thickness.

Coating weight is precisely controlled by a closed loop computerized control system.

Five remote-controlled cranes hoist the coils with parallel linkage coil lifters and load them in one of our six truck bays.

Precise coverage of numerous chemicals including RoHS compliant options.

The galvannealing furnace produces an iron-zinc alloy coating.

This unique take-up coiler system is efficient and automatically winds the strip without damage or interruption.

Twenty-four hour visual inspection of all coated products ensures consistent high quality.

After passing the degreaser, the strip is rapidly heated in the NOF (non-oxygen furnace) and then annealed to specification in the RTS (radiant tube section) all in a reducing gas atmosphere.

Warehouses are equipped with conveyors, conveyers, and other equipment to handle the processes required for coating and annealing.

NS Wheeling-Nisshin Facilities

The AGL is a fully computerized multi-product hot dip coating line. The AGL produces Minimum Spangle Galvanized, Galvannealed, Aluminized Type 1 & Type 2, and ZAM®. Production capacity is about 400,000 tons per year.

The CGL is designed to produce light-gauge Galvanized and Galvalume® products. Production capacity is about 300,000 tons per year.

Galvalume® is a registered trademark of BIEC International, Inc. ZAM® is a registered trademark of Nippon Steel Nisshin Co., Ltd. Patents have been registered for the product and its manufacturer.
GALVANNEALED ZINC-IRON ALLOY COATED SHEET

When paintability is of primary concern, NS Wheeling-Nisshin’s galvannealed sheet may be the perfect fit. Our galvannealed material provides a consistent alloy surface ideal for painting in addition to excellent formability, weldability, galvanic protection, and flatness.

Suitable end uses for galvanneal include automotive, highway signage, electrical equipment, doors, door frames, garage doors, molding, trailers, cabinets, etc.

THE RUN DOWN

MATERIAL THICKNESS ▶ 0.014” through 0.130”
MATERIAL WIDTH ▶ 24” through 61”
ASTM SPECIFICATION ▶ ASTM A653
STEEL GRADES ▶ Commercial Steel ▶ Deep Drawing Steel
▶ Extra Deep Drawing Steel ▶ Forming Steel
▶ HSLA Steel Grades ▶ Structural Steel Grades
COATING WEIGHT ▶ A25 ▶ A40 ▶ A60
(UL Coating Weights Available, Please Inquire)
COIL WEIGHT ▶ 10,000 lbs. maximum through 55,000 lbs. maximum
COIL ID ▶ 20” and 24”
AFTER TREATMENT (UPON REQUEST) ▶ Chemical Treatment (RoHS Compliant Available)
▶ Oiling
▶ Acrylic (RoHS Compliant Available, Please Inquire)
▶ Stenciling

SIZE CHART
NS Wheeling-Nisshin’s aluminized sheet is recommended for applications requiring severe heat and corrosion resistance. This product also has outstanding flatness and drawability properties.

Example applications include heat exchangers, commercial roof top HVAC units, automotive mufflers, heat shields, ovens, water heaters, baking pans, pipe wrap, culvert, etc.

THE RUN DOWN

MATERIAL THICKNESS ▶ 0.014” through 0.130”
MATERIAL WIDTH ▶ 24” through 61”
ASTM SPECIFICATION ▶ ASTM A463
STEEL GRADES ▶ Commercial Steel ▶ Deep Drawing Steel
▶ Extra Deep Drawing Steel ▶ Forming Steel
▶ HSLA Steel Grades

COATING WEIGHT ▶ T1-13 ▶ T1-25 ▶ T1-40
(Type 2 and UL Coating Weights Available. Please Inquire)

COIL WEIGHT ▶ 10,000 lbs. maximum through 55,000 lbs. maximum
COIL ID ▶ 20” and 24”

AFTER TREATMENT (UPON REQUEST) ▶ Chemical Treatment (RoHS Compliant Available)
▶ Oiling
▶ Acrylic (RoHS Compliant, Please Inquire)
▶ Stenciling

SIZE CHART
ZAM® is a highly corrosion-resistant hot-dip Zinc-Aluminum-Magnesium alloy coated steel sheet, and NS Wheeling-Nisshin is the first company in the United States to produce a zinc-aluminum-magnesium coated product. This amazing product lasts longer in the most severe environments, provides built in cut edge rust protection, and promotes cost savings through less maintenance. ZAM® serves as a self healing, ecologically friendly, alternative to post dip galvanizing.

Suitable applications for ZAM® include architectural building panels, perforated panels, metal facades, roofing, agricultural applications (animal confinement), greenhouse structures, industrial HVAC, solar racking systems, school bus plating, swimming pool, coastal environments, cable trays, steel decking, highway and rail safety equipment, automotive, etc.

**THE RUN DOWN**

<table>
<thead>
<tr>
<th>MATERIAL THICKNESS</th>
<th>0.014” through 0.130”</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATERIAL WIDTH</td>
<td>24” through 61”</td>
</tr>
<tr>
<td>ASTM SPECIFICATION</td>
<td>ASTM A1046</td>
</tr>
<tr>
<td>STEEL GRADES</td>
<td>Commercial Steel</td>
</tr>
<tr>
<td></td>
<td>Extra Deep Drawing</td>
</tr>
<tr>
<td></td>
<td>HSLA Steel Grades</td>
</tr>
<tr>
<td>COATING WEIGHT</td>
<td>ZM30</td>
</tr>
<tr>
<td></td>
<td>ZM40</td>
</tr>
<tr>
<td></td>
<td>ZM60</td>
</tr>
<tr>
<td></td>
<td>ZM70</td>
</tr>
<tr>
<td></td>
<td>ZM90</td>
</tr>
<tr>
<td></td>
<td>ZM100</td>
</tr>
<tr>
<td></td>
<td>ZM115</td>
</tr>
<tr>
<td></td>
<td>(Other Coating Weights Available, Please Inquire)</td>
</tr>
<tr>
<td>COIL WEIGHT</td>
<td>10,000 lbs. maximum</td>
</tr>
<tr>
<td>COIL ID</td>
<td>20” and 24”</td>
</tr>
<tr>
<td>AFTER TREATMENT</td>
<td>Chemical Treatment</td>
</tr>
<tr>
<td>(UPON REQUEST)</td>
<td>Oiling</td>
</tr>
<tr>
<td></td>
<td>Acrylic (RoHS Compliant, Please Inquire)</td>
</tr>
<tr>
<td></td>
<td>Stenciling</td>
</tr>
</tbody>
</table>

**SIZE CHART**

Patents have been registered for the product and its manufacturer. ZAM® is a registered trademark of Nippon Steel Nisshin Co., Ltd.
While every reasonable effort was made to ensure the accuracy at the time of this publication, technical information in this booklet is general information relating to our products only and is not meant as any warranty, expressed or implied. Such technical information does not guarantee that any of our products are suitable for your particular application or purpose. Use of any information contained in this booklet shall be at user’s risk. Any information in this booklet is subject to change without prior notice.