

ROTOMETALS INC



ZINC SHEET DATA SHEET

Product Description

Rotometals Zinc Sheets are designed for use in many applications, from table and countertops, architectural design, rangehoods and roofing, this environmentally friendly material is the right choice for you. When exposed to the elements, daily use and various chemicals, our zinc sheets will develop a patina that will add a sophisticated design concept to any application. Zinc is a very versatile material that has many more possibilities of use in the future. Zinc sheets gained their popularity in Europe and have now started to spread across North America. With no coatings to deteriorate, Rotometals Zinc Sheets will require very little maintenance and will last you and your family for years to come.



Drop Leaf Table



Rangehood



Apron sink and counter

FABRICATION	CUSTOM LENGTHS	MAINTENANCE
<p>Zinc sheets can be easily fabricated into table and countertops, rangehoods, architectural projects and even roofs. Visit our website and watch our installation and patina videos for more information.</p>	<p>Need something longer then 10 feet? How about a 12 Ft or even a 20 Ft long zinc sheet. We offer custom length zinc sheets to fit any size project. Call us today for custom prices and availability.</p>	<p>Designed to be virtually maintenance free, our zinc sheets can be sealed using our lacquer sealers to maintain and protect your zinc sheet for years to come.</p>

Rotometals Zinc Sheets

Our zinc sheets make for great countertop, back-splashes, range hoods, roof flashing and more. With architects and fabricators continually push the envelope of design we are evolving not only to meet the demands of today but also tomorrow. Available thicknesses range from .020" to .060" as well as two distinct finishes, natural and pre-weathered. Unlike zincs galvanized counterpart, our zinc sheet is 99+% pure thus allowing a non-toxic, food safe surface the is safe for you and your family.

AVAILABLE SIZES

We offer 5 thicknesses in our zinc sheet; .020", .027", .030", .040", .060". In those thickness, we offer many lengths and widths. For an accurate list visit www.Rotometals.com.



RECOMMENDED APPLICATIONS

<i>PROJECT</i>	<i>.020"</i>	<i>.027"</i>	<i>.030"</i>	<i>.040"</i>	<i>.060"</i>
Counter/Bar/ Table Tops		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Range Hoods				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cabinetry	<input checked="" type="checkbox"/>				
Furniture	<input checked="" type="checkbox"/>				
Ceiling Tiles	<input checked="" type="checkbox"/>				
Door/Wall Panel	<input checked="" type="checkbox"/>				
Fireplace Mantle and surrounds				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Signs/ Etching	<input checked="" type="checkbox"/>				
Menu Covers	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Artwork	<input checked="" type="checkbox"/>				
Outdoor tables				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

FAQ

What thickness should I use for my project?

This is the number one question we are asked! Though we recommend a minimum of .027", .020" will work fine for countertops and tables for display purposes or that will have very light use; there are pros and cons to both thinner and thicker sheets. For thinner sheets (.027" and .030") are definitely less expensive compared to thicker sheets and are easier to handle and fabricate for the do-it yourself installer. These sheets however, do not offer as much material for grinding out seams, soldering/welding and buffing of surface scratches and marks. Thicker sheets (.040" and .060") though more expensive, can be more difficult to fabricate and install and may require more "professional" experience to do so. As these sheets are thicker, they do offer more material for soldering and welding of stronger seams and provide more material for buffing of surface scratches/marks. For outdoor applications, we do recommend using a thicker sheet as these will hold up better to the natural elements, sun-light, heat, etc.

What is better to use as a substrate, plywood or MDF?

Plywood would be the better option of the two as MDF can contain more glue and may have a higher risk on not being compatible with the zinc sheet. We recommend you use at least ¾" plywood for the substrate.

28" vs. 39.3" vs. 44.8" widths?

Good question! The depth of your countertop or size of your project and how much edge you decide on, will determine what width of zinc sheet your project will require. We recommend that you order a sheet slightly wider than you actually need as slight damage can occur in rolled UPS shipping to the edges. A wider sheet than you need will also allow you to have pieces left over to practice with patina and solder techniques before you apply it to your sheet.

How do I get nice clean cuts with basic home owner tools?

Sheet metal shears and/or routers are all acceptable forms for cutting or trimming your zinc sheets and should render you a nice clean edge. For cutting thinner gauge material, tin snips will suffice though this method may cause your edges to be a little curly.

What other materials will I need to build my countertop?

Electric or copper tipped soldering iron (for temps 1000 degrees or more)
Rubber mallet (for hammer forming)
Construction adhesive (polyurethane based i.e. Sikaflex 1a or 201)
Weights or vice grips to hold the sheet in place while glue dries.
0000 Steel Wool (for buffing)
Various grades of sand paper (220 grit or higher) for sanding solder joints and removing minor scratches/imperfections caused by installation.

What do I use to protect/seal my new countertop?

Sealing is not required if you are seeking a natural patina on your zinc sheet. If you like the current finish of your zinc sheet we offer a Spray Lacquer sealer in a flat and satin finish. You can also use a more natural product such as bees wax or butchers wax and even furniture wax though these products will need to be applied routinely depending on use, wear and tear.

Is Zinc “food safe”?

Yes, our zinc sheets are food safe. Zinc is a sustainable (GREEN) product that is found in many everyday things we use from art work to vitamins. It is also commonly seen in seafood and oyster houses presumably for its antimicrobial properties.

Can I weld or solder joints and corners?

We leave that up to the installer/fabricator to decide based on their skill in working with zinc. Zinc sheets can be soldered and welded easier when using thicker sheets (.040” and .060”) as there is more material to work. 95% of our zinc sheet owners have chosen to solder their zinc sheets instead of welding. Welding requires lots of practice, proper ventilation, temperature control and can produce very poisonous gases.

What side of the sheet should I use?

Either side of your zinc sheet is fine to use. There may be slight mill patterns from side to side, so pick the side you like the best and use that.

Does zinc patina on its own, or do I need to use something on it to make it patina?

Both. If left alone with no sealer, zinc will patina naturally. This process depends on exposure to fresh air and sunlight and can take up to 18 months or longer. Some people choose to patina their zinc sheet using chemicals like cupric sulfate, copper sulfate or other natural chemicals like vinegar to age the sheet to the desired look. If you weather your zinc sheet using these chemicals, we recommend sealing the sheet with one of our lacquer sealers or a wax as artificial patinas are initially less durable than natural patinas and can be easily damaged.

Will pre weathered zinc sheets continue to age?

If left unsealed and depending on use, pre weathered zinc sheets may darken slightly over time but typically do not. We do recommend that if you like the current finish of your pre weathered sheet that you seal it using one of our sealers to protect the finish.

How long will it take my order to ship?

Our zinc sheets are stocked items and usually ship the same day or the following day. There are some exceptions to custom length sheets and shipping methods.

Freight shipping or Ground UPS shipping?

Another great question! The most cost effective way to ship zinc sheets is UPS Ground. The sheets are rolled inside a protective tube and placed into an outer box and shipped. Flat (Freight) shipping does cost a bit more but has its benefits. Unlike UPS shipping where minor edge damage can occur, freight shipping allows for more protection of the sheet and adds that your sheet will arrive flat, without edge damage unlike UPS shipping. Freight shipping usually takes the same amount of time as UPS does, but will require you to have access to a forklift or loading dock. A crate fee will apply for flat shipping. If you are only ordering a few sheets and still would like to have it shipped freight, we offer “rolled” freight shipping. This would entail a protective tube with your sheet inside and a smaller pallet thus eliminating the crate fee and ensuring your sheet will arrive free of damage.