



MANUFACTURING AND FABRICATING EXCELLENCE

Interstate Gratings offers a wide range of grating products

ARCHITECTURAL PRODUCTS

www.interstategratings.com

Architectural Railing

- High strength and good ventilation
- Durable and solid
- Suitable for any environment
- Low Maintenance



Why Bar Grating?

Bar grating is a great fit for both indoor and outdoor applications. There are several advantages of metal grating being used as railing or handrail. First, it is strong and durable making it a long lasting product. Second, steel grating can withstand extreme weather elements. Third, bar grating railing is easy to install and low maintenance. Fourth, it allows for ventilation without blocking visibility.

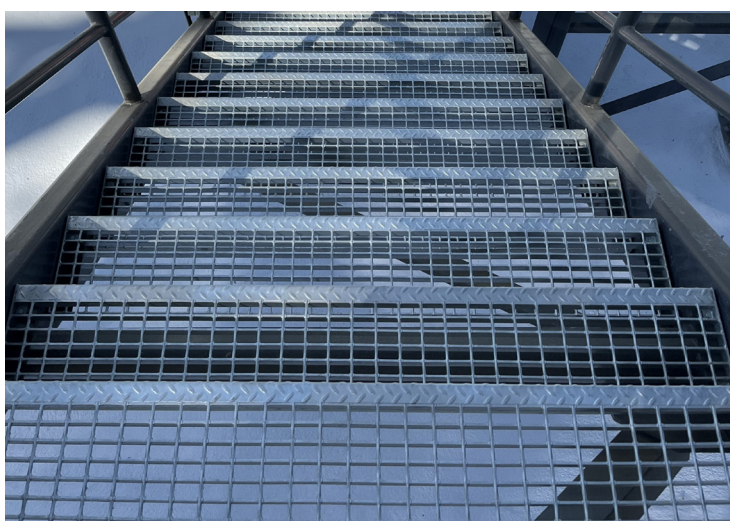
Using bar grating railing allows handrail to beautifully match the modern building designs. For aesthetic and long-term use reasons, it is often coated with a layer of protective coating or paint. In contemporary architectural applications wood railing, concrete railing and metal railing are the most popular used materials. Comparing wood and grating, wood railings are not suitable for outside use as they are susceptible to decay under the rain and sun. Bar grating has a long lifespan and is easy to maintain. In comparason to concrete, using grating allows for increased ventilation and does not block visibility.



Bar Grating Stairs



- High strength and excellent weight bearing capacity
- Durable and solid
- Suitable for any environment
- Low Maintenance
- Non-slip, anti-corrosion, and wear resistance
- Resistance to extreme temperatures, wind, and rain
- Nice, clean, and modern appearance



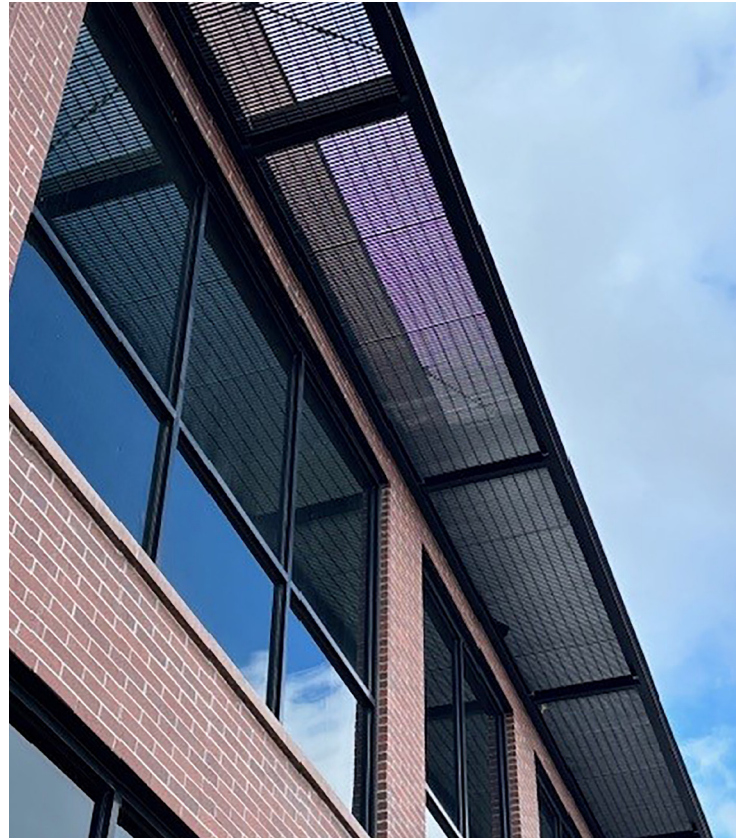
Bar Grating Stair Tread Applications

- **Architectural Stair Treads:** When designing a building, stadium, or even a high-rise condo; bar grating treads will add a contemporary touch while proving the safety you need. Available in ADA and High Heel Compliant spacing.
- **Industrial Stair Treads:** When you need safe, high traction stairs inside or outdoors, grating won't let you down. Grating provide the high traction your employees and visitors need to keep production going and stay safe.



Sun Shade

Sun Shades made from bar grating can provide effective solar control, high level of privacy and a smooth visual surface while allowing maximum ventilation benefits. It has the features of providing shade, dimming light, energy savings, sound insulation, protection of glass curtain wall, etc. It also can be used over doorways, windows, and balconies.



Sun Shade Applications

- Over windows
- Over door ways
- Outdoor shade
- Over balconies

Sun Shade Benefits

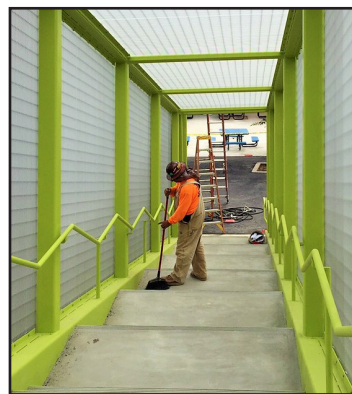
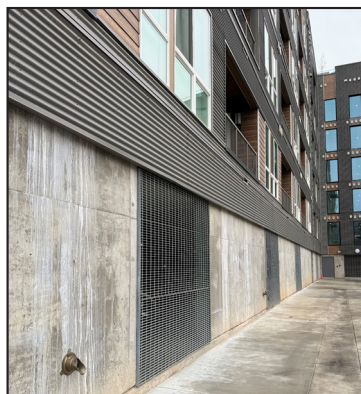
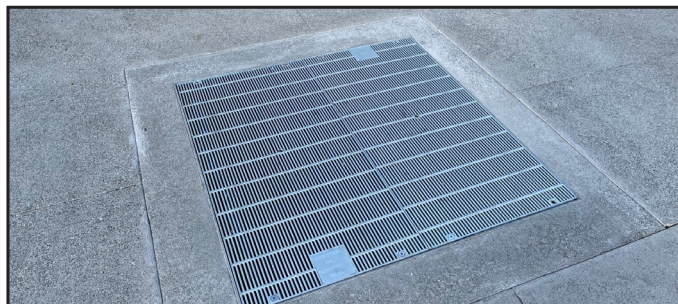
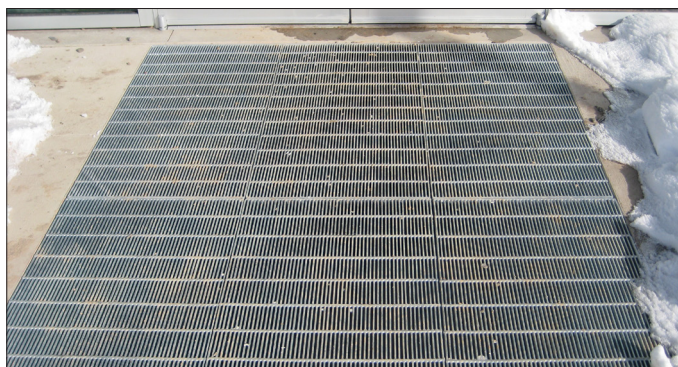
- It has the features of providing shade, dimming light, energy savings, sound insulation, & glass protection.
- High strength & anti-corrosive.
- Light weight
- Easy to install, maintenance-free.



The strength and versatility make metal bar grating an excellent material for safety barriers, fencing, and enclosures. Bar grating offers security without compromising visibility or aesthetics.



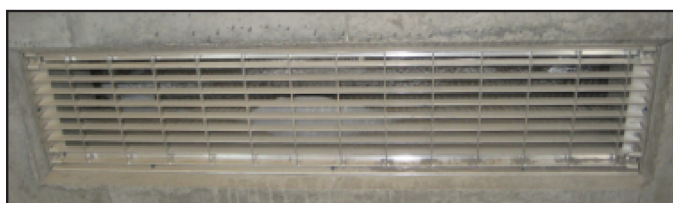
Entry Grating



Security Fence



Air Vent



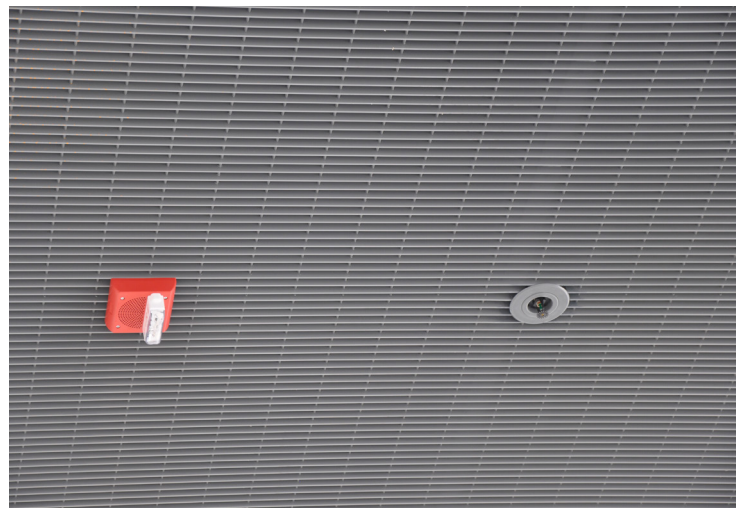
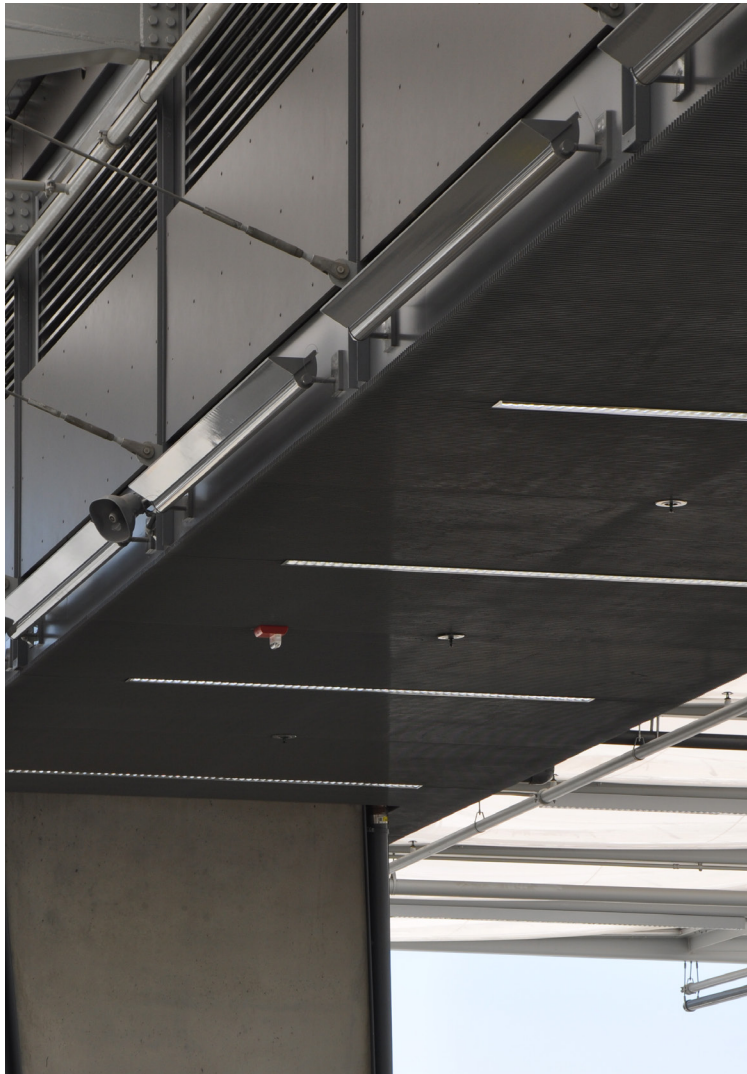
Bar Grating Ceiling, Soffit, & Facades

Is Bar Grating right for my application?

Bar grating can be used for many reasons, including lighting, thermal comfort and acoustics. Using grating ceilings allow for installing lighting systems and sound systems between the concrete roof and the steel grating ceiling. Compared to other wood ceiling or ceiling tiles, bar grating ceilings are recyclable and reusable. Grating ceilings are a staple of modern building construction, it is a fit for private houses, industrial buildings, office buildings, etc.

Bar grating ceilings are the secondary ceiling hung below the concrete or existing ceiling. For aesthetics purpose, grating ceilings are able to hide the building infrastructure, such as pipes, electric wires and ductwork, providing sufficient inner space for ceiling lighting and other decorative objects to access.

- Non-flammable material.
- Heat insulation.
- Ventilation.
- Beautiful and modern design.



Architectural Use Applications

These uses highlight the adaptability and multifaceted nature of metal bar grating in various architectural applications, demonstrating its functionality, safety, and aesthetic appeal across diverse projects and settings.

✓ Flooring in Industrial Settings:

- Industrial floors benefit from the high load-bearing capacity and durability of metal bar grating, ensuring safety and stability in heavy-use areas.

✓ Walkways and Platforms:

- Providing safe passage and support, metal bar grating is ideal for walkways and platforms in industrial facilities, bridges, outdoor spaces, and elevated structures.

✓ Stair Treads and Landings:

- Its slip-resistant properties make metal bar grating a suitable choice for stair treads and landings in both indoor and outdoor settings, ensuring safety in high-traffic areas.

✓ Safety Barriers and Fencing:

- Its strength and versatility make metal bar grating an excellent material for safety barriers, fencing, and enclosures, offering security without compromising visibility.

✓ Architectural Facades and Cladding:

- Utilizing its customizable design options, metal bar grating adds a modern, industrial aesthetic as facades or cladding in architectural designs, enhancing visual appeal.

✓ Sunshades and Ventilation Grilles:

- Metal bar grating's patterned design allows for effective sunshades and ventilation grilles, providing shade and air circulation while adding a contemporary look to buildings.

✓ Decorative Elements in Interior Design:

- Incorporating metal bar grating in interior design as partitions, screens, or decorative elements lends a sleek, industrial-chic vibe to spaces like offices, hotels, and retail stores.

✓ Green Building Applications:

- Metal bar grating facilitates green building practices by allowing rainwater to pass through, aiding in drainage and minimizing runoff, making it suitable for eco-friendly projects.

✓ Art Installations and Sculptures:

- Artists and designers utilize metal bar grating in sculptures and art installations due to its malleability and ability to create striking visual effects.

✓ Custom Architectural Features:

- Its versatility in shape, pattern, and finish allows architects to create custom features like balustrades, grilles, and screens, adding unique design elements to buildings.

Environmental Advantages

- 1. Recyclability and Reusability:** Steel is highly recyclable and retains its properties without degradation. It can be reused without compromising its quality, reducing the demand for new resources and minimizing waste compared to FRP, which can be challenging to recycle.
- 2. Reduced Environmental Impact:** The production of steel involves increasingly eco-friendly processes, such as using recycled steel and reducing emissions. Compared to FRP, which requires petrochemical-derived materials and energy-intensive manufacturing processes, steel production often has a lower carbon footprint.
- 3. Longevity and Durability:** Steel structures have an extended lifespan and require minimal maintenance, reducing the need for frequent replacements. This longevity reduces the overall environmental impact associated with the continual production and disposal of materials.
- 4. Energy Efficiency in Building Performance:** Steel's inherent thermal properties contribute to better energy efficiency in buildings. It helps in maintaining consistent indoor temperatures, reducing the need for excessive heating or cooling, and thereby lowering energy consumption.
- 5. Support for Sustainable Design:** Steel's strength allows for innovative design possibilities that incorporate sustainable features like larger spans, reducing the need for additional support structures. This supports sustainable architecture by enabling open, light-filled spaces that reduce the overall materials used in construction.
- 6. Fire Resistance and Safety:** Steel is inherently fire-resistant and does not contribute to fire spread, enhancing the safety of buildings. This property reduces the need for additional fire retardants or protective measures, which might be necessary for FRP or wood.
- 7. End-of-Life Considerations:** When steel structures reach the end of their lifespan, they are highly recyclable, reducing the amount of material sent to landfills. In contrast, FRP materials may pose challenges in disposal or recycling due to their composition and may contribute to landfill waste.



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The image features a large, modern industrial building with a grey brick facade and a flat roof, set against a backdrop of snow-capped mountains. The Interstate Gratings logo, a stylized 'IG' with a grating pattern, is overlaid on the building. The text 'INTERSTATE GRATINGS' is written in large, bold, white letters across the middle of the image. In the foreground, a stone sign with the company logo and name is visible, along with a parking sign and some bare trees.

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