



# WALCOOM

Walcoom Corporation



**Catalog**



# CONSTRUCTION METAL MATERIALS

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## "Walcoom is your best choice for construction metal materials"

Adhering to the professional and refined attitude, Walcoom has grown to a comprehensive industrial company. Professional pre-sales and after-sales service, conforming to the standard product quality is the best embodiment of our responsibility to customers. Our products about construction metal materials covered rebar, diamond plate, steel coils and metal etching plate, which can applied to residential community, industrial buildings, public buildings, basic public works and so on.

**Concrete reinforcing steel bar** is the added force to withstand tension. Rebars often used to the reinforcement for reinforced concrete, prestressed reinforced concrete and slab or small beam reinforced concrete structures. What we often see is the steel rebars fastened with wire or steel wire, or a combination of welded steel mesh at the building construction site. Rebar is widely used in various building structures. Especially large, heavy-duty, light-weight thin-walled and high-rise buildings.



### Feature

- High tensile strength and compression strength.
- Anti-corrosion, even salt water.
- Good bonding capacity with concrete.
- Good chemical stability, not subject to temperature change.
- Various forms and sizes.
- Excellent durability, recyclable.
- **Rebar shape:**
  - **Plain rebar**
  - **Deformed rebar:** Ribbed rebar, twisted rebar.

# CONSTRUCTION MATERIALS



Plain rebar

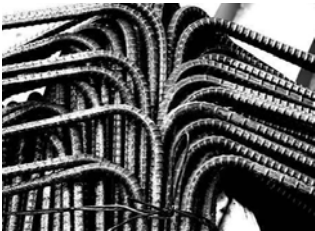


Ribbed rebar



Twisted rebar

- **Surfaces treatment:** Black rebar, epoxy coated rebar, galvanized rebar, stainless rebar.



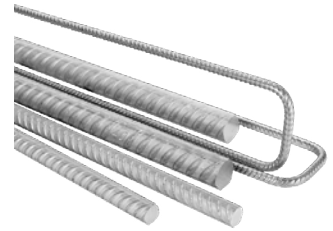
Black steel rebar



Epoxy coated rebar



Galvanized rebar

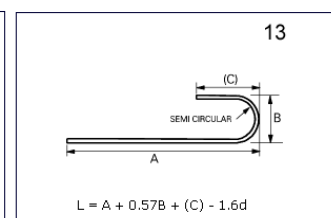
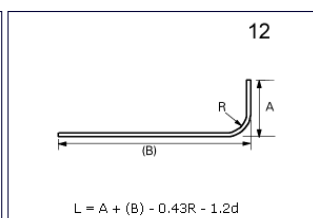
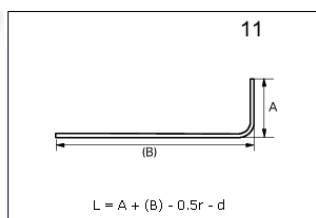
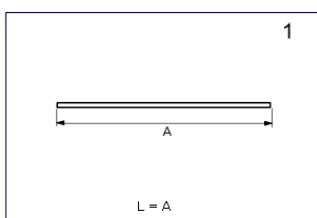


Stainless steel rebar

## Specification

- **Material:** Iron, steel, carbon steel, stainless steel.
- **Rolling type:** Cold-rolled rebar, hot-rolled rebar, cold drawn rebar, heat treated steel rebar.
- **Delivery state:** Straight rebar or coiled rebar.
- **Package:** Packed in bulk or in bundle, shipped by container, or according to your requirement.

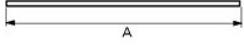

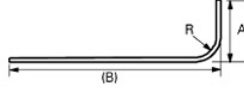

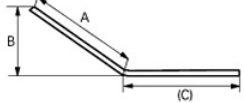
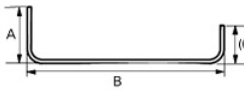
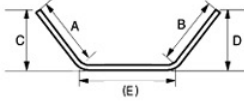
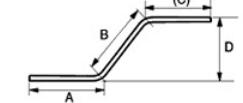
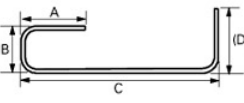
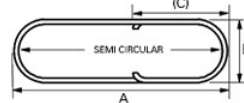
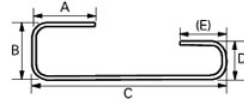
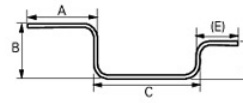
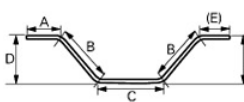

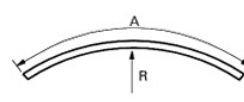
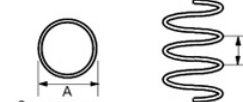
**As a professional manufacturer and distributor, we have professional rebar bending machines so that the following forming steel rebar products shape and code. The rebars are bended according to BS4466-1989, BS8666-2000, BS8666-2005.**



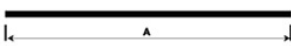

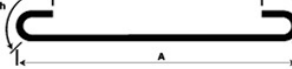
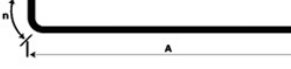
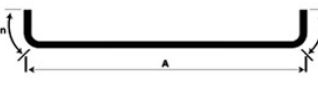


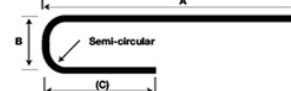
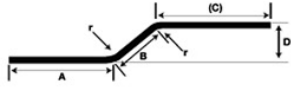
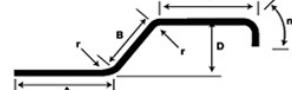
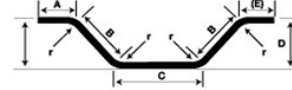
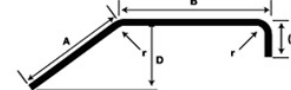
<p>14</p> <p><math>L = A + (C) - 4d</math></p>	<p>15</p> <p><math>L = A + (C)</math></p>	<p>21</p> <p><math>L = A + B + (C) - r - 2d</math></p>	<p>22</p> <p><math>L = A + B + C + (D) - 1.5r - 3d</math></p>
<p>23</p> <p><math>L = A + B + (C) - r - 2d</math></p>	<p>24</p> <p><math>L = A + B + (C)</math></p>	<p>25</p> <p><math>L = A + B + (E)</math></p>	<p>26</p> <p><math>L = A + B + (C)</math></p>
<p>27</p> <p><math>L = A + B + (C) - 0.5r - d</math></p>	<p>28</p> <p><math>L = A + B + (C) - 0.5r - d</math></p>	<p>29</p> <p><math>L = A + B + (C) - r - 2d</math></p>	<p>31</p> <p><math>L = A + B + C + (D) - 1.5r - 3d</math></p>
<p>32</p> <p><math>L = A + B + C + (D) - 1.5r - 3d</math></p>	<p>33</p> <p><math>L = 2A + 1.7B + 2(C) - 4d</math></p>	<p>34</p> <p><math>L = A + B + C + (E) - 0.5r - d</math></p>	<p>35</p> <p><math>L = A + B + C + (E) - 0.5r - d</math></p>
<p>36</p> <p><math>L = A + B + C + (D) - r - 2d</math></p>	<p>41</p> <p><math>L = A + B + C + D + (E) - 2r - 4d</math></p>	<p>44</p> <p><math>L = A + B + C + D + (E) - 2r - 4d</math></p>	<p>46</p> <p><math>L = A + 2B + C + (E)</math></p>
<p>47</p> <p><math>L = 2A + B + 2C + 1.5r - 3d</math></p>	<p>51</p> <p><math>L = 2(A + B + (C)) - 2.5r - 5d</math></p>	<p>56</p> <p><math>L = A + B + C + (D) + 2(E) - 2.5r - 5d</math></p>	<p>63</p> <p><math>L = 2A + 3B + 2(C) - 3r - 6d</math></p>
<p>64</p> <p><math>L = A + B + C + 2D + E + (F) - 3r - 6d</math></p>	<p>67</p> <p><math>L = A</math></p>	<p>75</p> <p><math>L = n(A - d) + B</math></p>	<p>77</p> <p><math>L = Cn(A - d)</math></p>
<p>98</p> <p><math>L = A + 2B + C + (D) - 2r - 4d</math></p>			

BS8666-2005

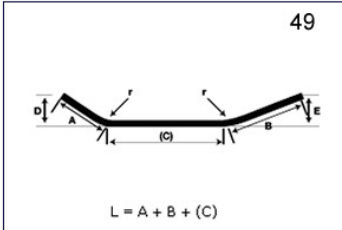
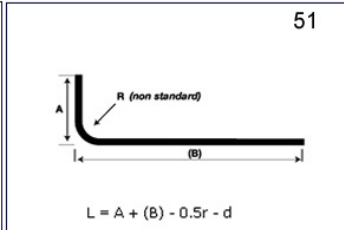
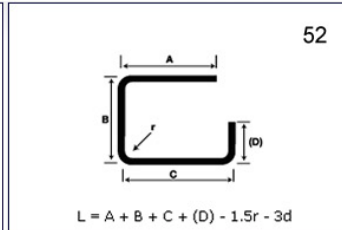
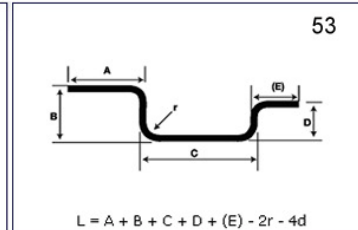
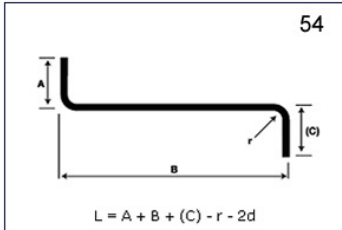
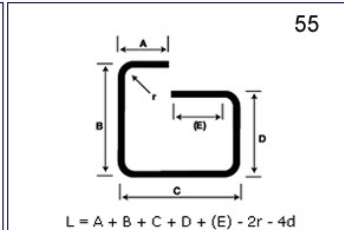
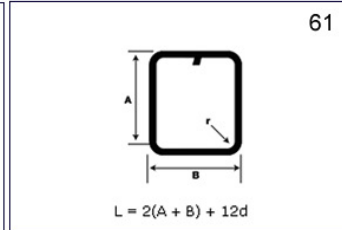
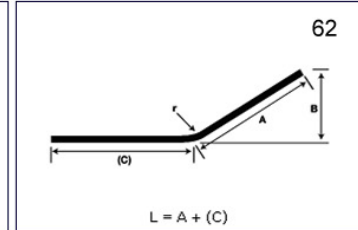
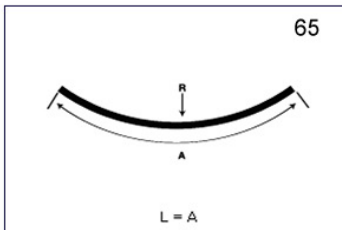
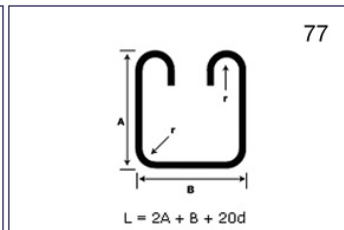
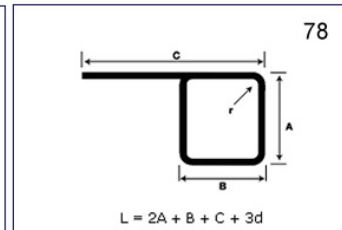
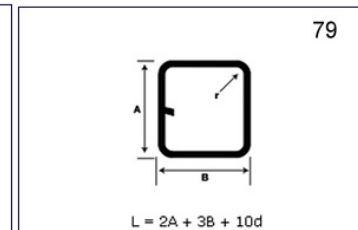
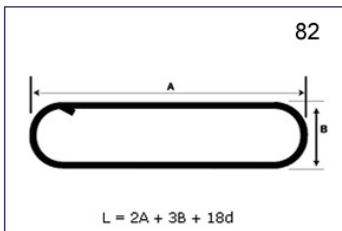
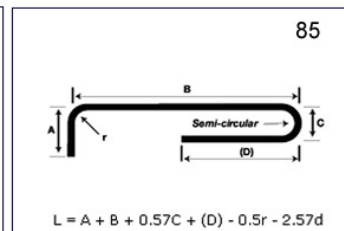
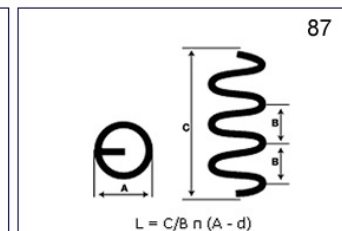
# CONSTRUCTION MATERIALS

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<p>15</p>  <p><math>L = A + (C)</math></p>	<p>21</p>  <p><math>L = A + B + (C) - r - 2d</math></p>	<p>25</p>  <p><math>L = A + B + (E)</math></p>	<p>26</p>  <p><math>L = A + B + (C)</math></p>
<p>31</p>  <p><math>L = A + B + C + (D) - 1.5r - 3d</math></p>	<p>33</p>  <p><math>L = 2A + 3B + 17d</math></p>	<p>41</p>  <p><math>L = A + B + C + D + (E) - 2r - 4d</math></p>	<p>44</p>  <p><math>L = A + B + C + D + (E) - 2r - 4d</math></p>
<p>46</p>  <p><math>L = A + 2B + C + (E)</math></p>	<p>51</p>  <p><math>L = 2(A + B + C) - 2.5r - 5d</math></p>	<p>67</p>  <p><math>L = A</math></p>	<p>77</p>  <p><math>L = Cn(A - d)</math></p>

BS8666-2000

<p>20</p>  <p><math>L = A</math></p>	<p>32</p>  <p><math>L = A + h</math></p>	<p>33</p>  <p><math>L = A + 2h</math></p>	<p>34</p>  <p><math>L = A + n</math></p>
<p>35</p>  <p><math>L = A + 2n</math></p>	<p>37</p>  <p><math>L = A + (B) - 0.5r - d</math></p>	<p>38</p>  <p><math>L = A + B + (C) - r - 2d</math></p>	<p>39</p>  <p><math>L = A + 0.57B + (C) - 1.57d</math></p>
<p>41</p>  <p><math>L = A + B + (C)</math></p>	<p>42</p>  <p><math>L = A + B + C + n</math></p>	<p>43</p>  <p><math>L = A + 2B + C + (E)</math></p>	<p>45</p>  <p><math>L = A + B + (C) - 0.5r - d</math></p>



 <p>49</p> <p><math>L = A + B + (C)</math></p>	 <p>51</p> <p><math>L = A + (B) - 0.5r - d</math></p>	 <p>52</p> <p><math>L = A + B + C + (D) - 1.5r - 3d</math></p>	 <p>53</p> <p><math>L = A + B + C + D + (E) - 2r - 4d</math></p>
 <p>54</p> <p><math>L = A + B + (C) - r - 2d</math></p>	 <p>55</p> <p><math>L = A + B + C + D + (E) - 2r - 4d</math></p>	 <p>61</p> <p><math>L = 2(A + B) + 12d</math></p>	 <p>62</p> <p><math>L = A + (C)</math></p>
 <p>65</p> <p><math>L = A</math></p>	 <p>77</p> <p><math>L = 2A + B + 20d</math></p>	 <p>78</p> <p><math>L = 2A + B + C + 3d</math></p>	 <p>79</p> <p><math>L = 2A + 3B + 10d</math></p>
 <p>82</p> <p><math>L = 2A + 3B + 18d</math></p>	 <p>85</p> <p><math>L = A + B + 0.57C + (D) - 0.5r - 2.57d</math></p>	 <p>87</p> <p><math>L = C/B n (A - d)</math></p>	<p><b>BS4466-1989</b></p>



**Diamond plate also know as** checker plate or chequered plate, beautiful appearance with charming pattern. Not only that, it is skidproof, strengthen, and steel-saving. It is widely used in transportation, construction, decoration, equipment, machinery, shipbuilding and other fields. The high quality diamond plate mainly shows the pattern rate, pattern height, pattern height difference.

## Feature

- Good skid resistance.
- Good strengthen performance.
- Anti-corrosion, bright appearance.
- Dust proof, self-cleaning, weather resistance.
- Various patterns and sizes.
- Interlocking and easy to install.
- Excellent durability, recyclable.

## Pattern type



Square pattern diamond plate



Lentil pattern diamond plate



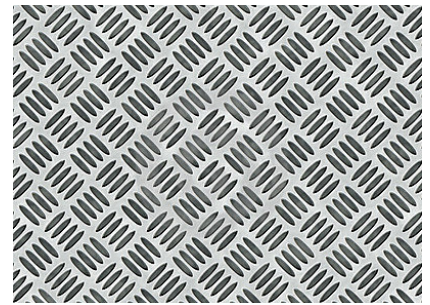
Round projection diamond plate



Two-bar willow pattern diamond plate



Three-bar willow pattern diamond plate



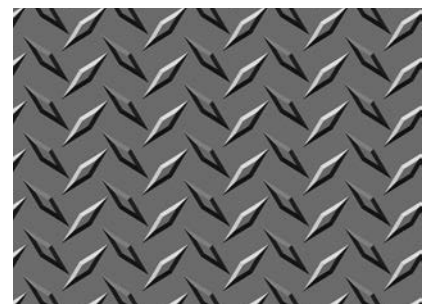
Four-bar willow pattern diamond plate.



Five bars willow pattern diamond plate.



Needle pattern checker plate



Diamond pattern checker plate

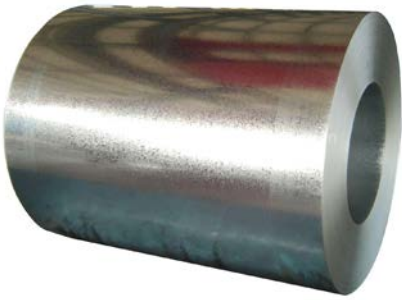
## Specification

- **Name:** Diamond plate, checker plate, chequered plate, tread plate, durbar floor plate.
- **Type:** Diamond pattern checker plate, lentil pattern checker plate, round projection checker plate, combined pattern checker plate.
- **Material:** Iron, steel, stainless steel, aluminium.
- **Thickness:** 1.4–16 mm.
- **Width:** 600–2000 mm. upgrading by per 50 mm.
- **Length:** 2000–16000 mm, upgrading by per 100 mm.
- **Pattern height:**  $\geq 0.2 \times$  thickness of base plate.
- **Process:** Hot rolling, embossing.
- **Surface treatment:** Galvanize.
- **Color:** Black, sliver, blue, etc.
- **Package:** Packed with encapsulation film, shipped by container, or according to your requirement.

The base thickness, permissible variation and theoretical weight of the diamond plate are tabulated as following.

Table				
Base thickness (mm)	Permissible variation (mm)	Theoretical weight (kg/m <sup>2</sup> )		
		Diamond pattern	Lentil pattern	Round projection
2.5	± 0.3	21.6	21.3	21.1
3.0	± 0.3	25.6	24.4	24.3
3.5	± 0.3	29.5	28.4	28.3
4.0	± 0.4	33.4	32.4	32.3
4.5	± 0.4	37.3	36.4	36.2
5.0	+ 0.4 - 0.5	42.3	40.5	40.2



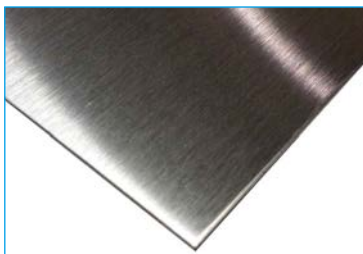


**Steel coil** is supplied in rolls which can sheared into steel sheet & plate and steel strip with different size. The finished products are widely used for automobile, construction, transportation and household appliances, storage of water, machinery machine guards, hardware, etc. In addition, the steel plate can be processed into expanded metal, perforated metal, razor wire, safety grating and so on.

## Feature

- High precision and excellent performance.
- High strength and good plasticity.
- Anti-corrosion, uniform thickness.
- High speed rolling and continuous rolling.
- Various sizes and widely used.
- Excellent durability, recyclable.

**Clipping form type:** Steel sheet & plate, steel strip.



Steel sheet & plate



Steel strip

## Specification

- **Type:** Steel coil, carbon steel coil, high strength low alloy steel coil, stainless steel coil.
- **Material:** Steel, carbon steel, high strength low alloy steel, stainless steel.
- **Thickness**
  - **Cold rolled steel coil:** 0.1–8 mm.
  - Wide longitudinal sheared& roll cutting steel strip:** 0.1–8 mm.
  - Narrow longitudinal sheared& roll cutting steel strip:** 0.01–3 mm.
  - **Hot rolled steel coil**
  - Wide longitudinal sheared& roll cutting steel strip:** 2.0–25.4 mm.
  - Narrow longitudinal sheared& roll cutting steel strip:** 2.0–13 mm.

- **Width**

- **Cold rolled steel coil:** 600–2100 mm.  
**Wide longitudinal sheared& roll cutting steel strip:** < 600 mm.  
**Narrow longitudinal sheared& roll cutting steel strip:** < 600 mm.
- **Hot rolled steel coil:** 600–4800 mm.  
**Wide longitudinal sheared& roll cutting steel coil:** 600–2500 mm.  
**Narrow longitudinal sheared& roll cutting steel coil:** < 600 mm.

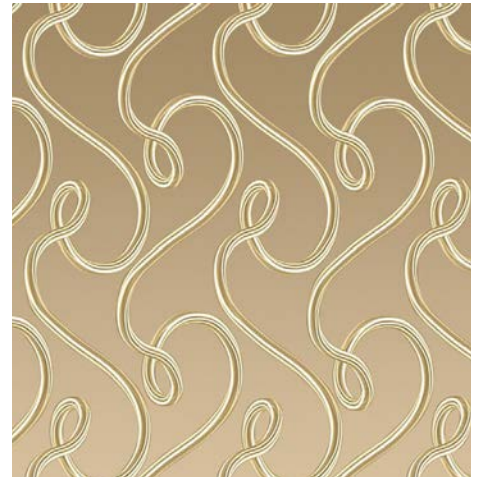
- **Length:** Customized on demand.

- **Process:** Hot rolled, cold rolled, heat treatment, pickling, phosphorus removal, annealing treatment, polishing.

- **Surface treatment:** Galvanize.

- **Package:** Packed in rolled with plastic film or waterproof paper, shipped by container, or according to your requirement.

**Metal etching plate** is the finished product which produced by the process of photolithographic etching technology. Perfect texture and solid metal blend together, couple hardness with softness. It is the ideal material for cabinet panel, ceiling decoration, elevator door and panel, splash guard and other decoration purpose.



## Feature

- High precision and firm texture.
- Anti-corrosion, bright appearance.
- Various patterns and sizes.
- Excellent durability, recyclable.

## Specification

- **Type:** Diamond pattern checker plate, lentil pattern checker plate, round projection checker plate, combined pattern checker plate.
- **Material:** Copper, brass, stainless steel, aluminium.
- **Technology:** Photolithographic etching.
- **Etching type:** Dry etching, wet etching.
- **Process:** Electrostatic dust removal, photosensitizer spray, exposure, develop, edge oil compensating, etching.
- **Package:** Packed with encapsulation film, shipped by container, or according to your requirement.

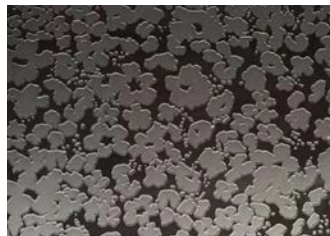
## Pattern type



Geometric pattern  
metal etching sheet



Flowers blooming  
metal etching sheet



Cotton pattern  
metal etching sheet



Flowers graphics  
metal etching sheet



Half-moon graphics  
metal etching sheet



Auspicious clouds  
graphics etching sheet



White flower graphics  
etching sheet



Maple leaf graphics  
metal etching sheet



Petunia graphics  
metal etching sheet



Geometrical line  
graphics etching sheet



Rectangular graphics  
etching sheet



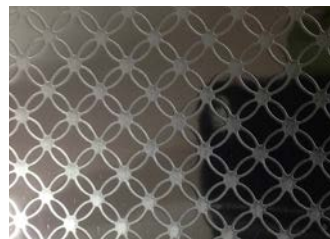
Mirror matte series  
etching sheet



Butterfly graphics  
etching sheet



Bamboo leaf graphics  
etching sheet



Coin shape graphics  
etching sheet



Ice bamboo grain  
graphics etching sheet



Abstract lines graphics  
etching sheet



Heart-shaped  
graphics etching sheet



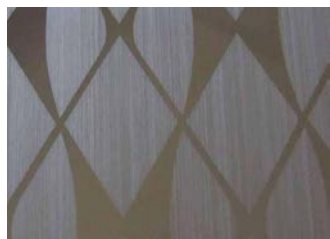
Stereoscopic diamond  
etching sheet



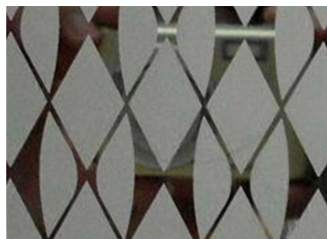
Abstract mirror matte  
etching sheet



# CONSTRUCTION MATERIALS



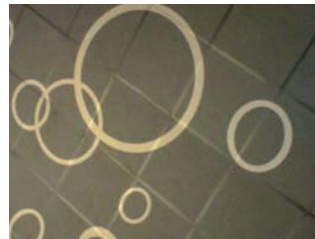
Plane diamond  
graphics etching sheet



Mirror matte diamond  
etching sheet



Cherry blossom  
graphics etching sheet



Square & round  
graphics etching sheet



Abstract mirror matte  
etching sheet



Round rings graphics  
etching sheet



Classic curve graphics  
etching sheet



Geometry graphics  
mirror etching sheet

## Practical application scenarios



Elevator decoration panel



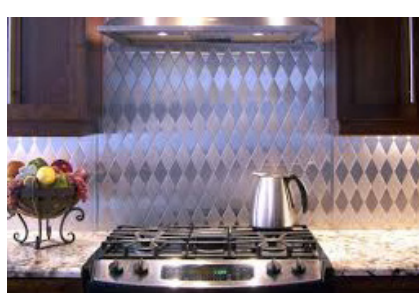
Elevator door



Decoration wall panel



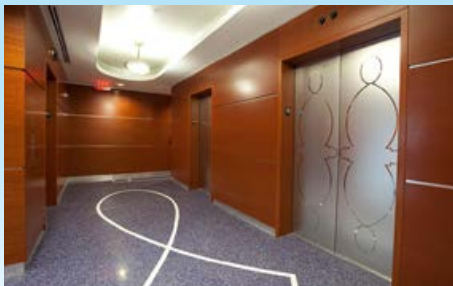
Back splash guard



Splash guard

# CONSTRUCTION METAL MATERIALS

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