

# HLH SURFACE FINISHES: SHEET METAL

All processes are done in-house - this includes the surface finishing of your custom sheet metal parts. Discover the range of surface finishes that can be applied in this sheet.

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This list features common sheet metal finishes. For other custom finishes such as plating and more, plase contact us at [info@hlhrapid.com](mailto:info@hlhrapid.com).

## Oxidation

Oxide coatings protect the metal from corrosion and are used for decorative purposes and as electrical insulation.

### Notes

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Material Compatibility
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Stainless steel, copper alloys, mild steel, tool steel, etc.
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Example of aluminium part with oxide coating

## Painting

Painting is a well-known way to add colour and improve the aesthetics of vacuum casted parts.

### Notes

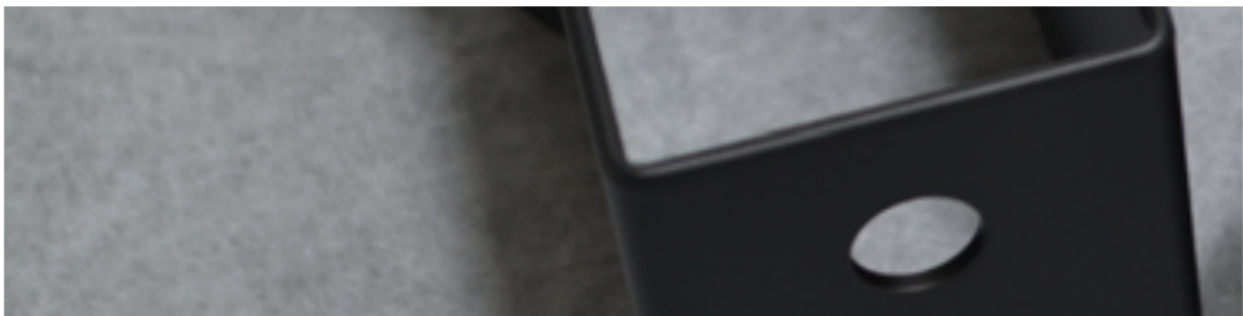
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Color
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Black, Pantone/RAL colours
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Example of spring steel part with a painted finish

## Polishing

Polishing is often used to enhance the appearance of a part, prevent contamination, remove oxidation, create a reflective surface, or prevent corrosion.

### Notes

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Results in shiny appearance
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Example of metal part with a polished finish

## Powder Coating

Powder coating is usually used to create a hard finish that is tougher than conventional paint. It is used for both functional and decorative purposes.

### Notes

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Color	Black, Pantone/RAL colours
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Example of low carbon steel part with a powder coated finish

## Smoothing

Smoothing via hand sanding or manual sanding is a great option for evening the surface of small individual parts.

### Notes

Color	-
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Example of 45 steel part with a smooth finish