

The Thales logo, featuring the word "THALES" in a bold, white, sans-serif font. A small blue dot is positioned above the letter "A".

THALES

Building a future we can all trust

Metal Cards Portfolio

Specifications & Guidelines

2025

Contents

[illegible]

Thales Metal Card Comparison Matrix

3

End-to-end Project Guidance



Easy Metal Card

Best-seller for large volumes:
cost-effective, alternative to PVC

4



Edge Metal Card

Sleek metal card: metallic edges with engraving

6



Compact Metal Card

Distinctive weight

8



Veneer Metal Card

THE reference of metal cards:
top seller worldwide, metal on front

10














FMDI Metal Card

Ultimate luxury: distinctive weight
and very metallic sound

12

Portfolio

Thales Metal Card Comparison Matrix

	WITH COMPOSECURE		THALES IN-HOUSE		
	 FULL METAL DI	 VENEER	 COMPACT	 EDGE	 EASY
Structure	Stainless steel + PVC	Stainless steel + PVC	Tungsten + PVC	Stainless steel + PVC	Stainless steel + PVC
	 (under waiver)	 (under waiver)			
Weight	21g	16g	18g	12.5g	10.5g
Sound	Metallic	Muffled	Muffled	Muffled	Muffled
Metal on edge	✓	✓	X	✓	X
Metal on face	++	+++	+	+	+
Price	\$\$\$\$\$	\$\$\$\$	\$\$\$	\$\$	\$
Target	Ultra High-Net Worth High-Net Worth	High-Net Worth Top Affluent	Top Affluent Mass Affluent	Top Affluent Mass Affluent	Mass Affluent

End-to-end Project Guidance

From initial design to final production and delivery, Thales has the experience to manage and guide you through the process.



Card design
consultancy



From agile
prototyping, to
mass production



Worldwide laser
perso equipments



All About Metal:
Card holder
digitalised laser
signature



Innovative premium
packaging



Express
delivery options



D1 Digital
modern issuance
solutions



Recycling Services:
From collection to
revalorization

Easy Metal Card

Mass
Affluent

Best-seller for large volumes:
cost-effective, alternative to PVC






Elevate your mass affluent offer with the **Easy Metal Card**, Thales' best-selling, cost-effective metal card since 2017. Twice the weight of plastic, premium in feel, and competitively priced for large-scale programs.

Unlock endless design possibilities.

Easy Metal Card

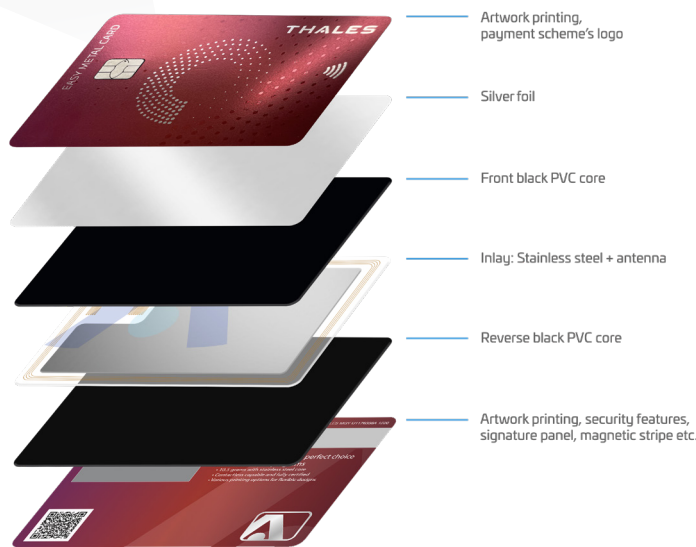


CARD FEATURES

Weight	: 10.5 grams (+/- 1 gram)
Metal	: Encapsulated stainless-steel core with silver foil
Edges	: Black (not metallic)
Sound	: Muffled
Contactless Capable	: On both sides
Notch	: Available
Scheme Certification	: Full LOA    DISCOVER
Graphical Personalisation	: Laser or DOD (front and back)
Minimum Order Quantity	: 1,000 units



CARD STRUCTURE



PRINTING

- Silkscreen
- Standard offset printing

LOGOS AND PATTERNS

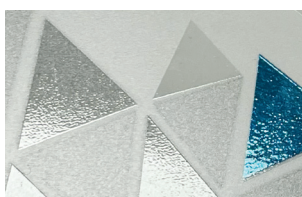
- Printed in colours
- Knocked out to foil
- Hotstamped
- Tactile in matte or glossy

BACKGROUND

- Opaque
- Metallic foil transparency

DESIGN EXAMPLES

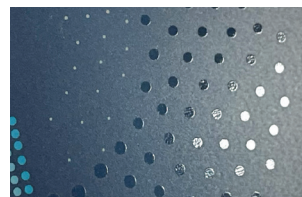
Thales can support you throughout your Metal Card Design journey



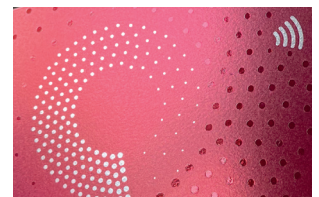
Pattern knocked out to foil



Hotstamped Payment Scheme logo



Glossy tactile varnish on dots



Foil background

Edge Metal Card

Mass / Top
Affluent

Sleek metal card: metallic
edges with engraving






Target your affluent to high-net worth customers with the **Edge Metal Card**: a sleek, edge-to-edge metal core card combining premium feel, design flexibility, and accessible pricing. Ideal for segmentation, premium upgrades, or second card programmes.

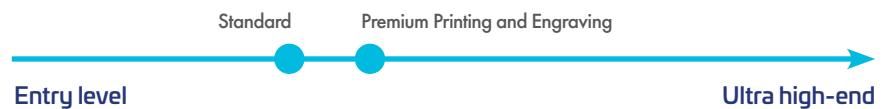
Make your dream card a reality.

Edge Metal Card

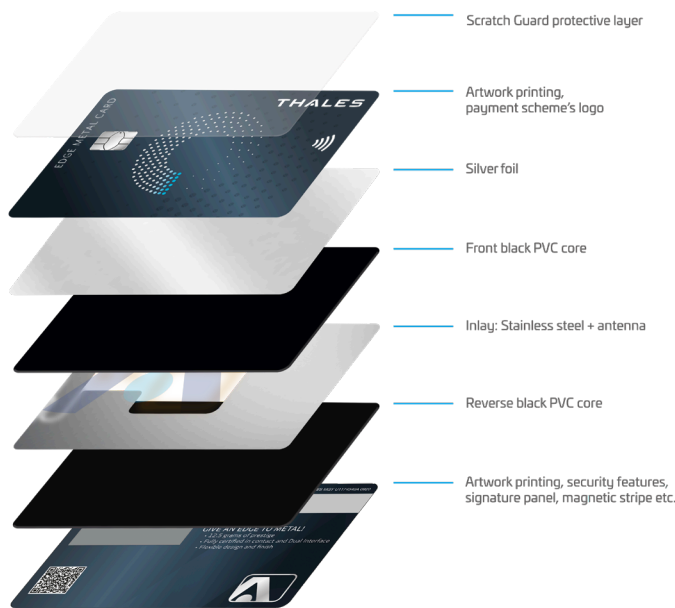


CARD FEATURES

Weight	: 12.5 grams (+/- 1 gram)
Metal	: Encapsulated stainless-steel core with silver foil
Edges	: Metallic
Sustainability	: Containing 90% post-consumer recycled stainless steel
Sound	: Muffled
Contactless Capable	: On both sides
Notch	: Available
Scheme Certification	: Full LOA   
Graphical Personalisation	: Laser (front and back) or DOD (back only)
Minimum Order Quantity	: 1,000 units



CARD STRUCTURE



PRINTING

Silkscreen
Standard offset printing
Premium Printing

LOGOS AND PATTERNS

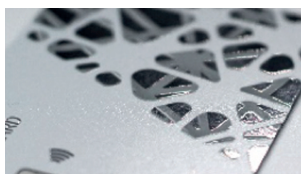
Printed in colours
Knocked out to foil
Tactile in matte or glossy
Engraved

BACKGROUND

Opaque
Metallic foil transparency

DESIGN EXAMPLES

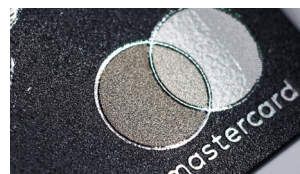
Thales can support you throughout your Metal Card Design journey



Pattern knocked out to foil



Foil and tactile brushed in Premium Printing



Payment Scheme logo in Premium Printing



Engraved Payment Scheme logo

Compact Metal Card

Mass / Top
Affluent

Distinctive weight



Reward your mass to top affluent customers with the **Compact Metal Card**: a bold, 18g contactless card that feels truly premium. It will impress you the second you pick it up in your hands by feeling radically different.

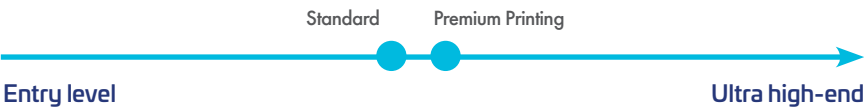
A standout choice for elevating your card portfolio with flexible designs.

Compact Metal Card

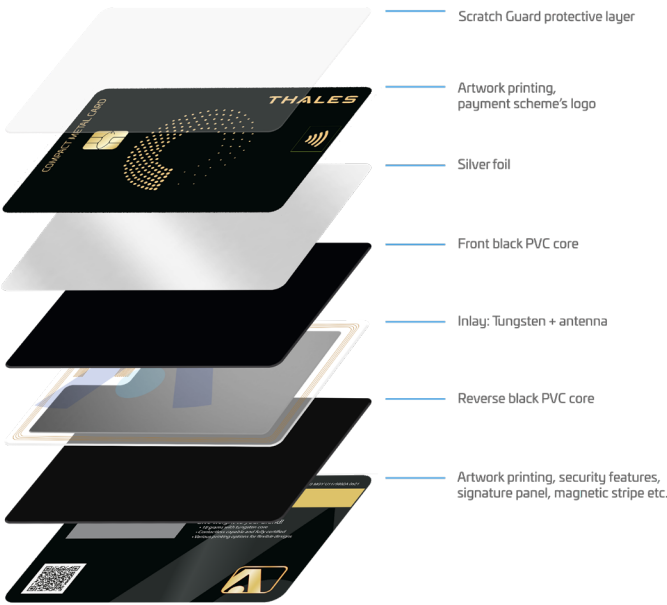


CARD FEATURES

Weight	: 18 grams (+/- 1 gram)
Metal	: Encapsulated tungsten core with silver foil
Edges	: Black (not metallic)
Sound	: Muffled
Contactless Capable	: On both sides
Notch	: Available
Scheme Certification	: Full LOA VISA Mastercard DISCOVER
Graphical Personalisation	: Laser (front and back) or DOD (back only)
Minimum Order Quantity	: 1,000 units



CARD STRUCTURE



PRINTING

Silkscreen
Standard offset printing
Premium Printing



LOGOS AND PATTERNS

Printed in colours
Knocked out to foil
Tactile in matte or glossy



BACKGROUND

Opaque
Metallic foil transparency

DESIGN EXAMPLES

Thales can support you throughout your Metal Card Design journey



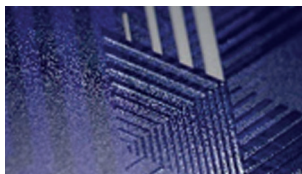
Glossy tactile varnish on dots



Payment Scheme logo knocked out to foil



Payment Scheme logo in Premium Printing



Premium Printing textures

Veneer Metal Card

Top
Affluent /
HNW

THE reference of metal cards:
top seller worldwide, metal on front







Experience the signature 'cold touch' of metal on front with the **Veneer Metal Card**. Its 3D mechanical engraving delivers striking, tactile logos, while offering limitless design options – all with full contactless capability.

Top seller worldwide, it is a perfect match between style and functionality.

Veneer Metal Card



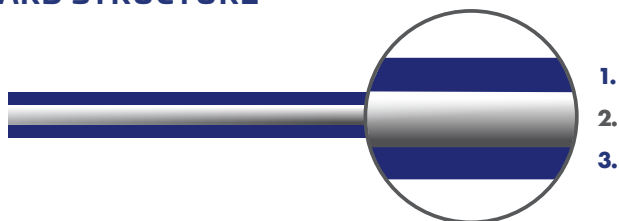
CARD FEATURES

Weight	: 16 grams (+/- 1 gram)
Metal	: Stainless-steel, metal on front
Edges	: Metallic
Sustainability	: Containing 65% post-consumer recycled stainless steel
Sound	: Muffled
Contactless Capable	: On the back side only
Notch	: Available
Scheme Certification	: Chip waiver to request    
Graphical Personalisation	: Laser (front and back) or DOD (back only)
Minimum Order Quantity	: 1,000 units

Entry level

Ultra high-end

CARD STRUCTURE



1. Colorised varnish (mix of metal & polymers)
2. Stainless steel with artisan finish
3. PVC & polymers

PRINTING

CMYK colours

LOGOS AND PATTERNS

Mechanically engraved (flat or 3D)

Knocked out to metal

Tactile in matte or glossy

BACKGROUND

Opaque

Metallic transparency

DESIGN EXAMPLES

Thales can support you throughout your Metal Card Design journey



3D Mechanical engraving



Pattern knocked out to metal



Tactile lines



Metallic background

Full Metal DI (FMDI) Card

UHNW /
HNW

Ultimate luxury: distinctive weight
and very metallic sound



Deliver ultimate luxury with the **Full Metal DI** - a 21g stainless steel card crafted for ultra-high-net-worth customers. Its signature metallic 'klonk' comes from a single, solid premium build.

No need to compromise front-side style for DI performance: the FMDI delivers both, outperforming all copycats.

Full Metal DI (FMDI) Card



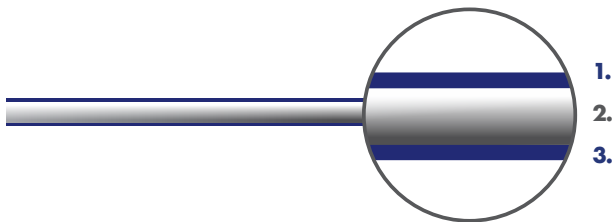
CARD FEATURES

Weight	: 21 grams (+/- 1 gram)
Metal	: Stainless-steel core, metal on front
Edges	: Metallic
Sustainability	: Containing 65% post-consumer recycled stainless steel
Sound	: Very metallic klonk effect
Contactless Capable	: On both sides
Notch	: Available
Scheme Certification	: Chip waiver to request VISA MasterCard DISCOVER
Graphical Personalisation	: Laser (front and back) or DOD (back only)
Minimum Order Quantity	: 500 units

Entry level

Ultra high-end

CARD STRUCTURE



- Thin PVC with digital color printing
- Stainless steel
- Thin PVC with offset color printing

PRINTING

CMYK colours

LOGOS AND PATTERNS

Mechanically engraved (flat or 3D)

Knocked out to metal

Tactile in matte or glossy

BACKGROUND

Opaque

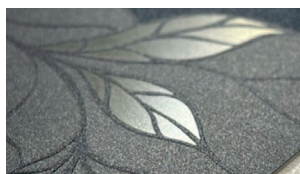
Metallic transparency

DESIGN EXAMPLES

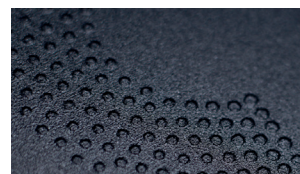
Thales can support you throughout your Metal Card Design journey



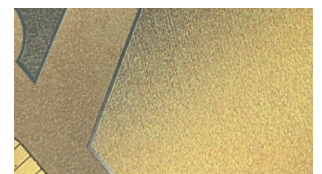
3D Mechanical engraving



Pattern knocked out to metal



Matte tactile dots



Metallic colours

