WANDERLUST

Covestro CMF Design Trends
2025+ Edition

Automotive

At Covestro, we co-create Color Material Finish (CMF) with designers, blending aesthetics and functionality into material-based experiences that can surprise and delight consumers. Collaboration is at the heart of our business model – we value our partners and work closely with them to develop customized, finely-tuned solutions. We add value through aesthetic, functional and circular design.

We have a team of in-house designers and colorists who will help you better engage consumers through world class CMF design by leveraging the optical, tactile, haptic, mechanical, aesthetic and functional properties of polycarbonate.

We’re ready to help you make your designs a reality, from concept to mass-production.

Global Color & Design (CMF) **CMF-Design@covestro.com**

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The development of technology has brought about a wider range of possibilities for travel. As the destination becomes clear, we’re increasingly looking forward to the experience along the way. In the future, the expression "in the cloud" could take on a literal meaning applicable to people as well as data.

Autonomous driving technology plans our routes in the cloud, freeing us up to look farther, creating an emotional bond between humans and AI that takes human-machine symbiosis to a whole new level.

"Mobile homes" have risen together with the digital nomad to integrate work, life, and travel into a wonderful world of new possibilities. The leisurely pace of “on the road” allows us to relax, get closer to nature, and enjoy the freedom to make our own lifestyle choices.

Innovations in energy storage and infrastructure have the power to ease anxiety over energy consumption and will lead more people to new modes of transportation as new energy becomes more widely available than ever before.

Multimodal transportation networks integrate vehicles with other forms of transport, allowing people to switch seamlessly between modes for a more flexible, convenient, and enjoyable travel experience.

1

Ultra Vision

As digital technology makes increasing headway into smart mobility, autonomous driving technology and intelligent in-car assistants gradually become more widespread.

Technological development has always prioritized safety. When control is relinquished over the steering wheel and pedals, high-level automation shifts responsibility from the user to the system. The technological question now is how to navigate moral dilemmas[1] where a choice must be made between the two and how to build trust in these vehicles.

Vehicles employ visual systems and radar to collect safety data and in-car assistants to communicate with people, who need an audible, visible, interactive co-pilot to share the driving experience with. The panoramic view on the front screen provides the means to take in the real driving environment from multiple perspectives. The information stream can likewise be hidden at a touch when no longer needed, and when the podcast selected by the in-car assistant finishes, the cover lifts to reveal that the journey has reached its destination.

In any case, safety technology will play a vital role in the future of automation, and emotional connections will raise the concept of human-machine symbiosis to new heights.

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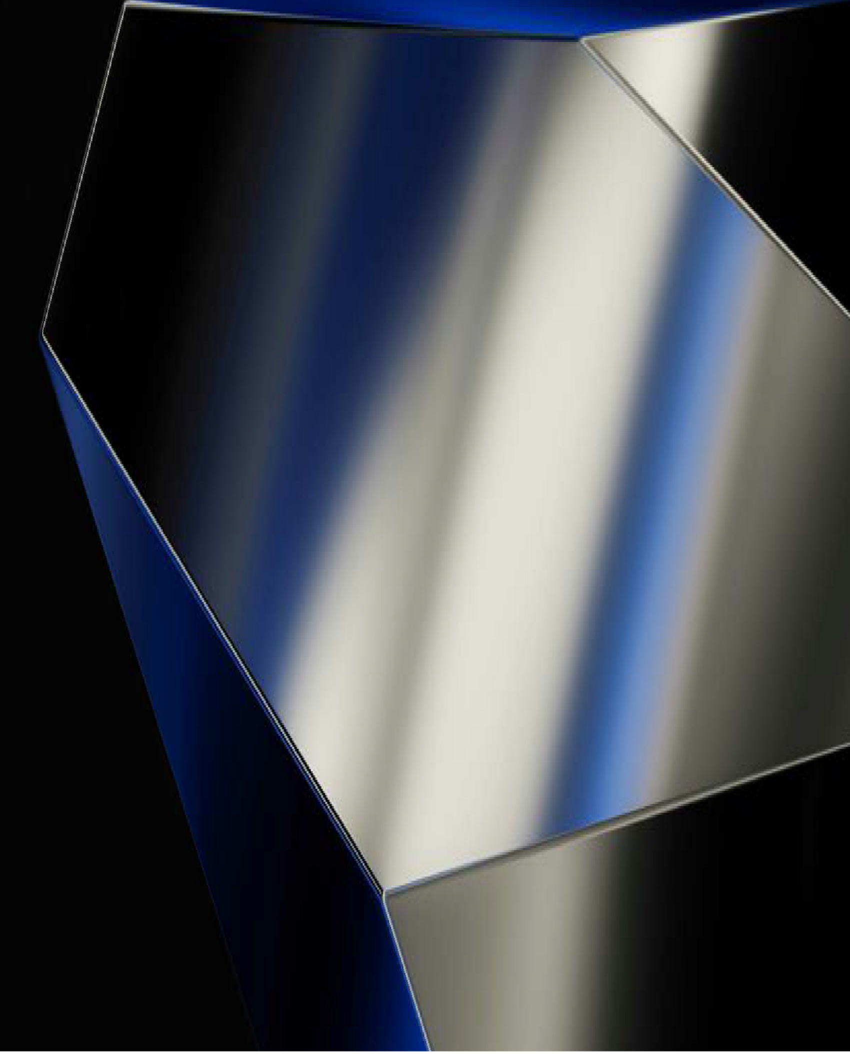
[1] In Level 5 autonomous driving, in extreme situations (such as aggressive driving), vehicles must choose the response plan that minimizes risks, and the legal responsibility shifts from the driver to the system.

In any case, safety technology will play a vital role in the future of automation, and emotional connections will raise the concept of human-machine symbiosis to new heights.



CMF

The pearlescent effect is an external expression of the intelligent system within, marrying wisdom and versatility in blue, while the translucence of the black is modest and restrained, establishing a bridge of trust between users and the machine. High-purity, glossy Makrolon® Ai2457 contrasts with the translucent, homogenous appearance of Makrolon® Ai2417, though both are applied in automotive interiors requiring a special touch.

Sparkling Intelligence	Black Crystal
25MOB11 (Base)	25MOB12 (Insert)
Solid, Pearl	Transparent
Gloss Front / Matt Back	Gloss Back
RAL 250 30 15	RAL 000 25 00
Makrolon® Ai2497	Makrolon® Ai2417

2

Moving Castle

With the rise of remote work, more people are choosing to live as digital nomads who find "living in car" offering something a fixed, detached home cannot.

Interior space is taking on the attributes of a real home, liberating our traditional understanding of what makes a home. Increasingly, these tiny mobile homes provide a space for expressing individual personality coupled with the immense freedom of mobility. Transform the interior of your vehicle into a personal home theater, launch yourselves into the depths of space as you project the starry sky onto your ceiling, and recharge and release stress anytime, anywhere. Bring solar panels and camping equipment and take it slow and natural, or join forces with like-minded individuals to form a co-living, exploring creative community writing its own story of liberation. RVs have grown from just another vehicle to embody an artistic lifestyle, where the cozy life on wheels finds meaning in being on the road.

As the demand for larger RVs continues to increase, brands will also be called upon to fulfill their commitment to the circular economy, adopt more environmentally friendly methods, and use recycled materials and eco-friendly products, empowering people to drive vehicles sourced from green materials towards a greener future.

Interior space is taking on the attributes of a real home, liberating our traditional understanding of what makes a home.

CMF

The cockpit is an extension of the larger environment and a personal space of emotional release. The muted gravel with mottled marble resembles a solid wall providing a strong sense of protection, yet it feels like being out in the wild, surrounded by nature's rugged beauty. The bright mint green lightens the overall ambiance with a fresh hue, adding a touch of lightness and a gentle breeze, like a soft, calming whisper. The translucent Makrolon® Ai2497 RE is designed for car and truck interiors requiring a high-purity, glossy surface. The PC+ABS blend Bayblend® T85XUV offers exceptional processability, long-term resistance to humidity and heat, with low VOC and odor.From our CQ portfolio, RE materials are attributed with a certain proportion of recycled raw materials derived from bio-circular feedstock, reducing environmental impact and improving social responsibility with ISCC+ certification.

Grit

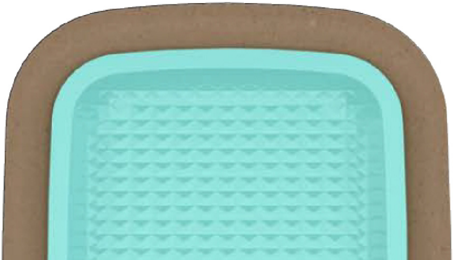
25MOB21 (Base)

Solid, Marble
Matt Front / Gloss Back
RAL 060 50 20
Makrolon® Ai2497 RE

Horizon Line

25MOB22 (Insert)

Solid
Gloss Back
RAL 190 85 20
Bayblend® T85XUV



3

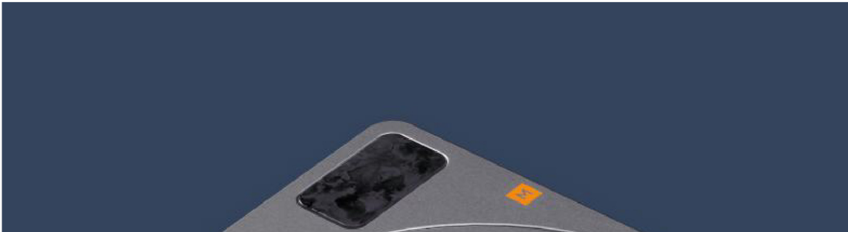
Power Capsule

Concerns about pollution from traditional energy vehicles and rising fuel costs are increasingly turning consumers to more environmentally friendly and economical modes of transportation.

A survey singled out a lack of charging infrastructure as a major obstacle to promoting new energy transport. A more secure, persuasive energy storage solution is required before the era of new energy vehicles can truly take off.

As energy storage technology moves from industry to the home, a diversity of new solutions are coming to the attention of the automotive industry as well. The energy battery revolution is driving a shift towards environmentally friendly modes of travel with greater economy.

The energy battery revolution is driving a shift towards environmentally friendly modes of travel with greater economy and will prove a crucial step in the long-term replacement of vehicles running on traditional fossil fuels.



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[1] Deloitte 2022 Global Automotive Consumer Study

TP-7
3
M
96/24
R

CMF

Bright orange is ultra visible, projecting vitality and promise and breathing a fresh breath of life into the surroundings. Metallic silver exudes speed and combines functionality with the lightweight aesthetic of cutting-edge technology. Makrolon®FR6005UV is a UV-resistant PC grade, sleek, mechanically superior, and UL94 V0/1.5mm flame retardant. Bayblend® FR3010 achieves a good balance between mechanical properties, heat resistance, and processability and is widely used in network devices and consumer electronic products such as wearables, IoT, smart appliances, and mobile devices among others.

Levitation

25MOB31 (Base)

Solid, Metallic
Matt Front/ Gloss Back
RAL 000 80 00
Makrolon® FR6005UV

Gravitation Orange

25MOB32 (Insert)

Solid
Matt Back
RAL 050 60 70
Bayblend® FR3010

4

Hyperlink

Multimodal transportation[1] networks have given us greater autonomy in travel. Therefore, an increasing number of individuals are turning to personalized modes of travel.

Gone are the days of limited single-mode public transport. People may now drive or take the subway and then hop on an electric scooter, hoverboard, or electric wheelchair to reach their destinations. Micro-mobility enhances travel efficiency and is more convenient, flexible, and environmentally friendly.

Integrating shared vehicles into the transportation system will lead to better access to information and optimize transfers between vehicles during the journey. Micro-mobility products have filled the innovation gap for short-distance travel, underserviced by public transportation. This also places higher demands on the light weight and foldability of micro-mobility vehicles. Household vehicles need to provide storage space for frequently used vehicles, and even vehicle components can serve as lightweight carriers. As inclusivity spreads to travel, from gender stereotypes to disabilities, designs in the micro-mobility sector will see more inclusive innovations. And finally, urban vertical space itself shows unlimited potential, as low-altitude aircraft break the constraints of concrete jungles and raise transportation services to unprecedented heights. Whether it's Generation Z[2] riding the subway with a skateboard or elderly individuals using electric wheelchairs on buses, the possibilities for travel are boundless.

[1] Multimodal transportation involves two or more modes of transportation operating in segments that connect seamlessly to maintain the continuity of transportation.

[2] Generation Z refers to individuals born between 1995 and 2009 and is also known as the Internet generation or the digital generation.

An increasing number of individuals are turning to personalized modes of travel.

CMF

Edge-lit bright lime catches the eye, beckoning towards a futuristic realm and showcasing the ambiguity of a future of optimism. Black contrasts, adding stability and modernity to the overall aesthetic. The PC+ABS blend Bayblend® T85X R25 contains 25% post-consumer recycled polycarbonate with excellent processing qualities.

Dark Matter

25MOB41 (Base)

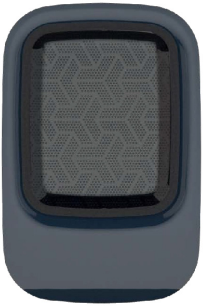
Solid
Matt Front /Gloss Front
RAL 000 25 00
Bayblend® T85X R25A

Bright Lime

25MOB42 (Insert)

Solid
Gloss Back
RAL 140 85 10
Bayblend® T85X R25

Index



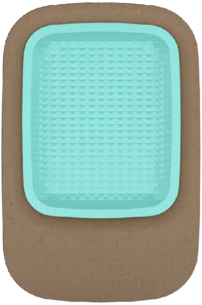
P.2

25MOB11 Sparkling Intelligence (Base)

Solid, Pearl
Gloss Front / Matte Back
RAL 250 30 15
Makrolon® Ai2497

25MOB12 Black Crystal (Insert)

Transparent



P.5

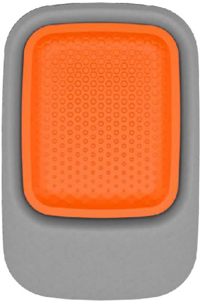
25MOB21 Grit (Base)

Solid, Marble
Matt Front / Gloss Back
RAL 060 50 20
Makrolon® Ai2497

25MOB22 Horizon Line (Insert)

Solid

Gloss Back
RAL 000 25 00
Makrolon® Ai2417



P.8

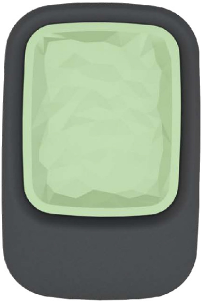
25MOB31 Levitation (Base)

Solid, Metallic
Matt Front/ Gloss Back
RAL 000 80 00
Makrolon® FR6005UV

25MOB32 Gravitation Orange (Insert)

Solid
Matt Back
RAL 050 60 70
Bayblend® FR3010

Gloss Back
RAL 190 85 20
Bayblend® T85XUV



P.11

25MOB41 Dark Matter (Base)

Solid
Matt Front /Gloss Front
RAL 000 25 00
Bayblend® T85X R25A

25MOB42 Bright Lime (Insert)

Solid
Gloss Back
RAL 140 85 10
Bayblend® T85X R25

Connect with us

CMF-Design@covestro.com

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www.solutions.covestro.com

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Editor in Chief

Emily Shi	Business Development Color & Aesthetics (CMF)

Material Visualization & Rendering

Dr. Tobias Rausch	Business Development Digital Sampling (CMF)

Color Creation & Material Sampling / Head of Color & Design (CMF) Center Teams

Helen Fang	Color & Design Center Shanghai
Luke Cai	Color & Design Center Guangzhou

Kannika Surinta	Color & Design Center Map Ta Phut
Sunil Patel	Color & Design Center Greater Noida
Patrizia Pernice	Color & Design Center Filago
Terry Bush	Color & Design Center Newark

Color & Design (CMF)

Dr. Christopher Stillings	Head of Global Color & Design (CMF)

Covestro Engineering Plastics Mobility

Matthew Chen	Industrial Marketing

Intern Team

Wenjia Shi	ShanghaiTech University Student
Yixiao Dong	Tongji University Student

Member of Rat für Formgebung German Design Council

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科思创（上海）投资有限公司
上海市浦东秦桥路 33 号

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