昌茂光电

CHEERMO INDUSTRIA

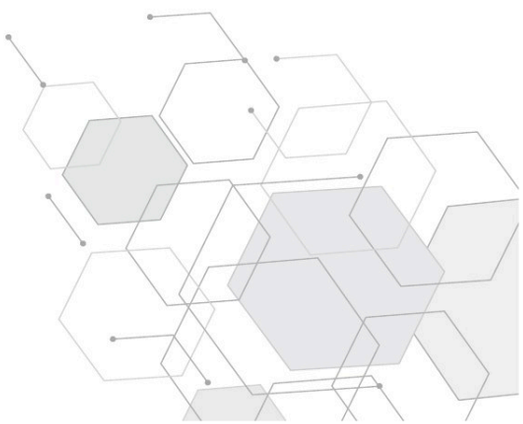
2024

昌茂光电创新产品

CHEERMO INNOVATIVE PRODUCTS

1 关于昌茂

CHEERMO INTRODUCE





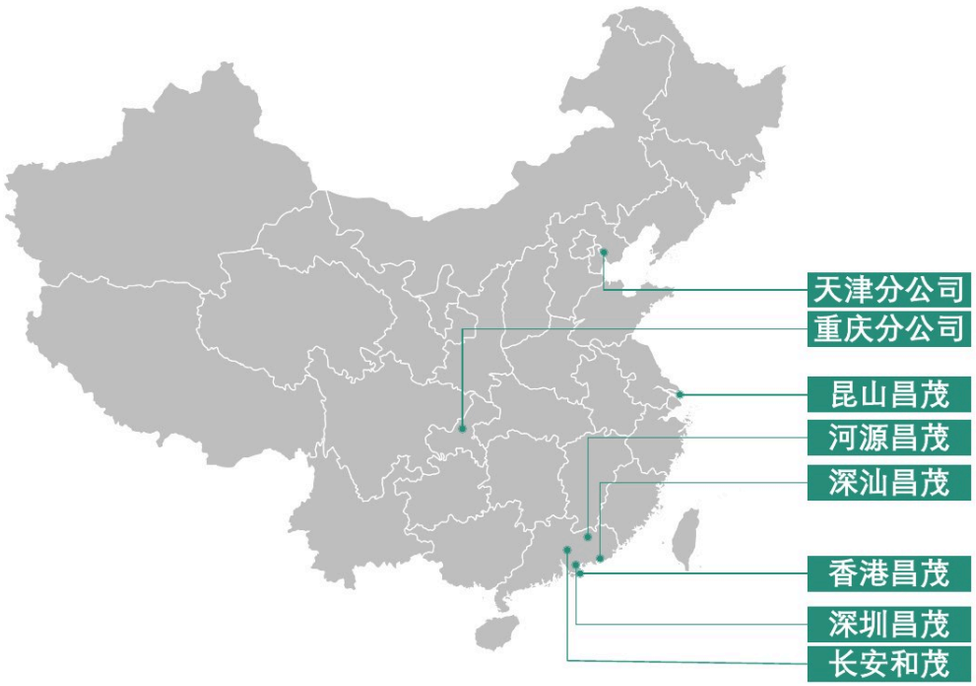
关于我们 ABOUT US

CHEERMO成立于1995年，集团总部位于深圳，下辖4个生产基地多个销售公司。

CHEERMO成立迄今已29年，以“粘贴仁慧，成就你我”为核心理念，始终专注于胶粘高分子新材料的研发、生产、销售和服务，在新材料标识领域，计算机智能标识，RFID领域，电子模切功能胶带，玩具标签领域等均取得了长足而稳定的发展，受到了社会各界和广大客户的信赖与赞扬，与一大批知名终端品牌及上市公司建立了长期合作关系，并成为了广大客户值得信赖的企业。

CHEERMO was founded in 1995, with its headquarters in Shenzhen and four production bases and multiple sales companies under its jurisdiction.

CHEERMO has been established for 29 years, with the core concept of "Paste kindness and wisdom, achieving you and me", and has always focused on the research and development, production, sales and service of adhesive polymer new materials. CHEERMO has made great and stable development in the field of new material identification, computer intelligent identification, RFID field, electronic die-cutting functional tape, toy label field, etc. By the community and the majority of customers trust and praise, with a large number of well-known terminal brands and listed companies to establish long-term cooperative relations, and become the majority of customers trusted enterprises..



昌茂光电属下拥有深圳福永、江苏昆山、广东河源、深汕特别合作区共有4个生产基地，在香港、天津、重庆、深圳前海等地设立销售公司，是集研发、生产 、销售和服务为一体的新材料制造企业。公司创建于1995年2月，现有生产厂房180000m²，员工500余人(其中研发及技术人员占75%)。建有千级净化生产线20条，生产工艺已实现全自动化，涂布车间的建设领先于同行业，是目前中国胶粘制品行业的高品质、重环保的标杆企业。

CHEERMO Optoelectronics has four production bases in Shenzhen Fuyong, Jiangsu Kunshan, Guangdong Heyuan, Shenzhen-Shantou Special Cooperation Zone, and operates in Hong Kong, Tianjin,Chongqing,Shenzhen Qianhai and other places set up sales companies, is a research and development, production, sales and service as one of the new material manufacturing enterprises. CHEERMO was founded in February 1995.The existing production plant 180000m², more than 500 employees (including R & D and technical personnel accounted for 75%). There are 20 thousand purification production lines, the production process has been fully automated, the construction of coating workshop is ahead of the same industry, is currently China's adhesive productsindustry of high quality, heavy environmental protection benchmarking enterprises.

4
生产源区
Production Source Area

180000m²
生产厂房
Production Plant

20条
千级净化生产线
Class 1000 Cleanroom
Production Lin

75%
技术人员占比
Technical Staff Ratio

More than 500
员工人数
Number Of Employees

100+
持有发明专利
Holding Patented Inventions

所获荣誉
PATENT CERTIFICATION

CHEERMO凭借其深厚的行业积淀、卓越的技术实力以及不断创新的精神，公司成功获得了像IAFT 16949，ISO9001等等多项行业权威认可证书,赢得了业界的广泛认可.这些证书不仅是对公司产品质量、技术实力和服务水平的全面肯定，更是公司信誉与品牌价值的坚实基石它们见证了公司在行业内的不断突破与进取，为公司未来的发展奠定了坚实的基础

With its profound industry experience, outstanding technical capabilities, and relentless spirit of innovation, CHEERMO has successfully obtained numerous industry-recognized authoritative certificates such as IATF 16949 and ISO9001, earning widespread recognition from the industry. These certificates not only serve as a comprehensive affirmation ofthe company's product quality, technical prowess, and service standards but also form a solid foundation for its reputation and brand value. They bear witness to CHEERMO's continuous breakthroughs and progress within the industry, laying a solid groundwork for the company's future development.



可靠，精细的工艺
RELIABLE & METICULOUS CRAFTSMANSHIP

长久以来，CHEERMO一直在获得各种各样具有影响力的认证。截止目前CHEERMO拥有完整的漆面保护膜，窗膜等等产品的生产及品质认证，确保产品质量，先进可靠，精细的生产工艺和出色的产品性能使全球客户用得安心、放心。

For a long time, CHEERMO has been gaining various influential certifications. Up to now, CHEERMO has a complete range of production and quality certifications for paint protection film, window film and other products, ensuring that the product quality is advanced, reliable, and that the sophisticated production process and excellent product performance can make global customers feel at ease.

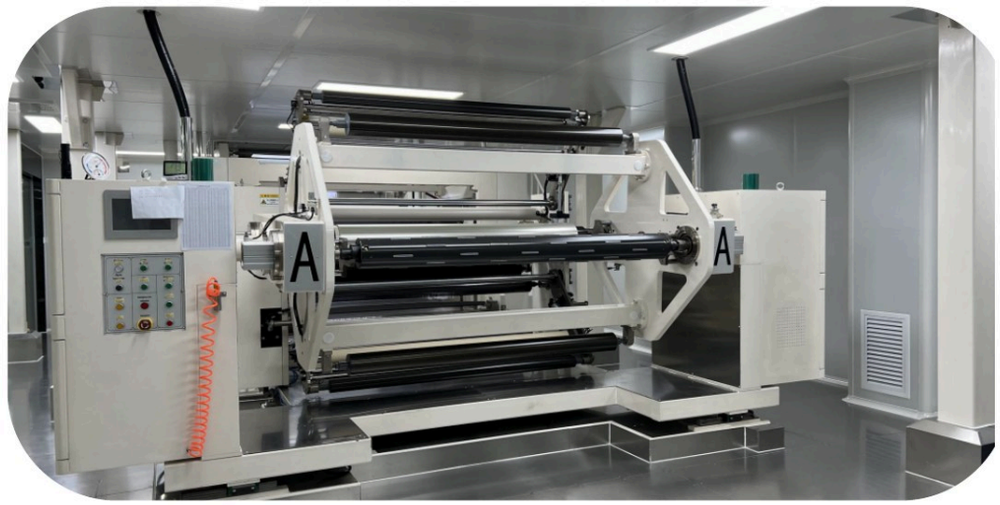
150+
发明有效专利
Invention Patent

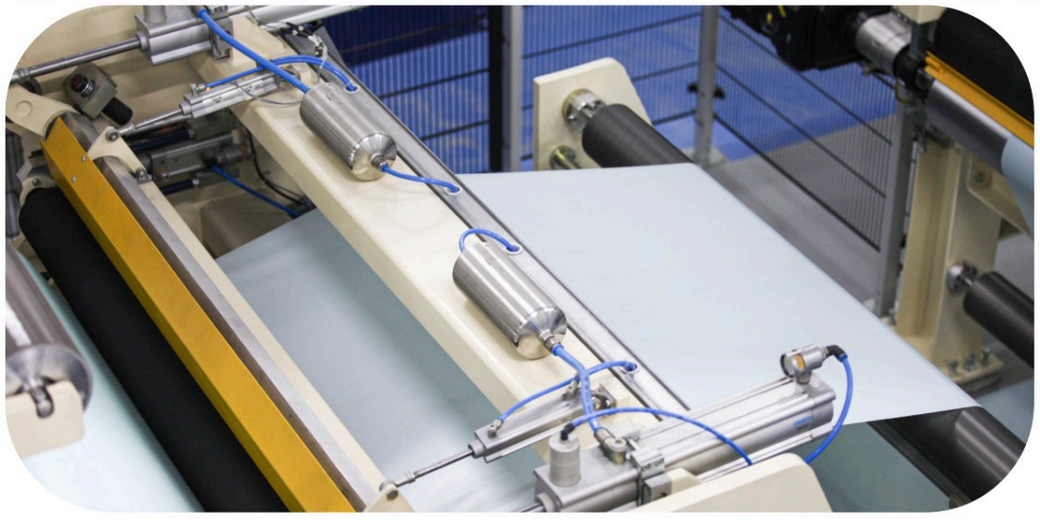
19条
高精密涂布机
High-precision coating machine

30台
精密分切机
Precision slitting machine

>99.5%
VOCs排放处理效率
VOCs emission treatment efficiency









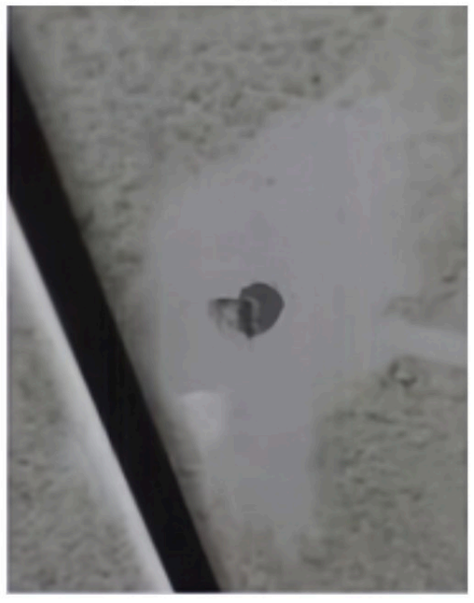
2 关于车衣

ABOUT PPF

您的爱车正持续遭受着无处不在的侵害与损伤

Your car is being continuously eroded and damaged everywhere.

飞石撞击
Impact Of Flying Stones



鸟虫污染
Bird & Insect contamination



酸雨侵蚀
Acid Rain Erosion



刮蹭痕迹
Scratch Marks

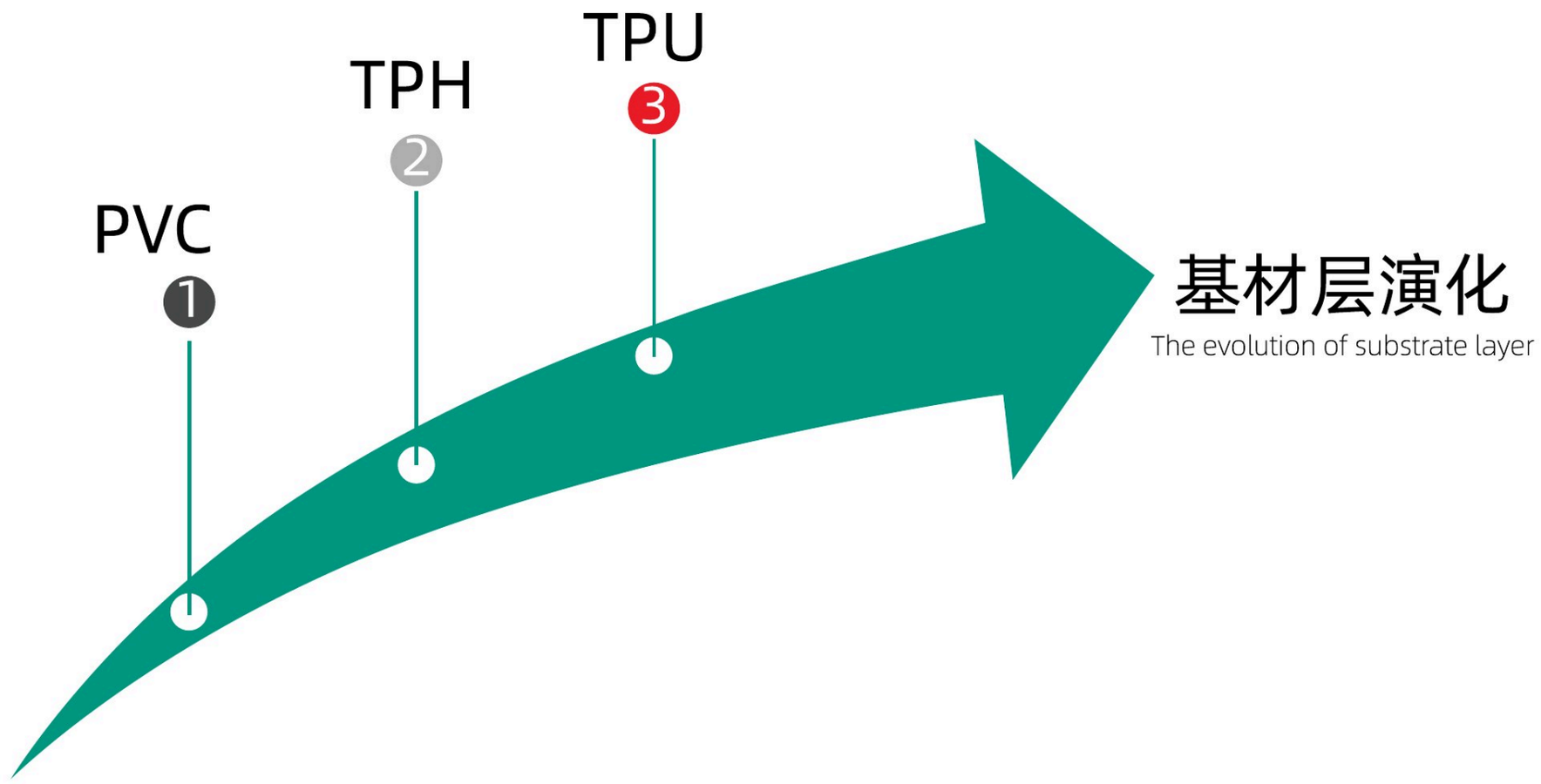




泛黄，断裂
Yellowing & Breaking



残胶渗透，破坏油漆
Residual Glue penetration, Damaging Paint

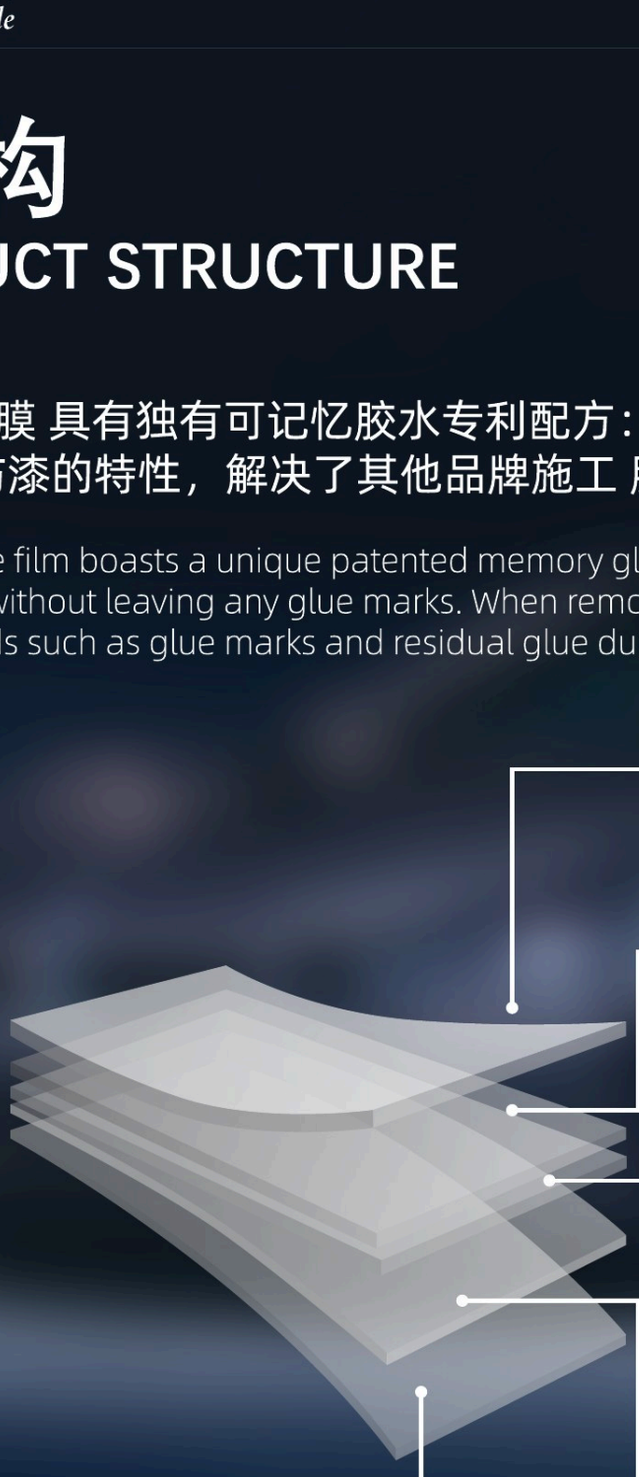


材质 Material	保护作用 Protective function	耐黄变等级 Yellowing Resistance Grade	划痕修复 Scratch Removal	胶层残留 Adhesive Residue	缺陷 Imperfection
PVC	NO	Grade 1	NO	YES	YES
TPH	YES	Grade 3	YES	NO	NO
TPU	YES	Grade 5	YES	NO	NO

产品结构
THE PRODYUCT STRUCTURE

CHEERMO漆面保护膜 具有独有可记忆胶水专利配方：具有清晰度高，粘度好，施工时可反复揭起不会留下任何胶印，撕掉不留残胶、不伤漆的特性，解决了其他品牌施工 胶印，残留胶等诸多弊端，施工极其简单方便。

CHEERMO paint protective film boasts a unique patented memory glue formula, featuring high clarity, good viscosity, and the ability to be repeatedly lifted during installation without leaving any glue marks. When removed, it leaves no residual glue and does not damage the paint, solving many drawbacks of other brands such as glue marks and residual glue during installation. Its installation process is extremely simple and convenient.



PET保护膜 PET Liner
- 聚脂纤维线 Polyester fiber thread

自修复层 Specific coating
- 自修复性功能 Self-Healing
- 耐污染性，耐化学性优秀 Resistant to dirt & chemical corrosion
- 增大光泽度 Increase shine

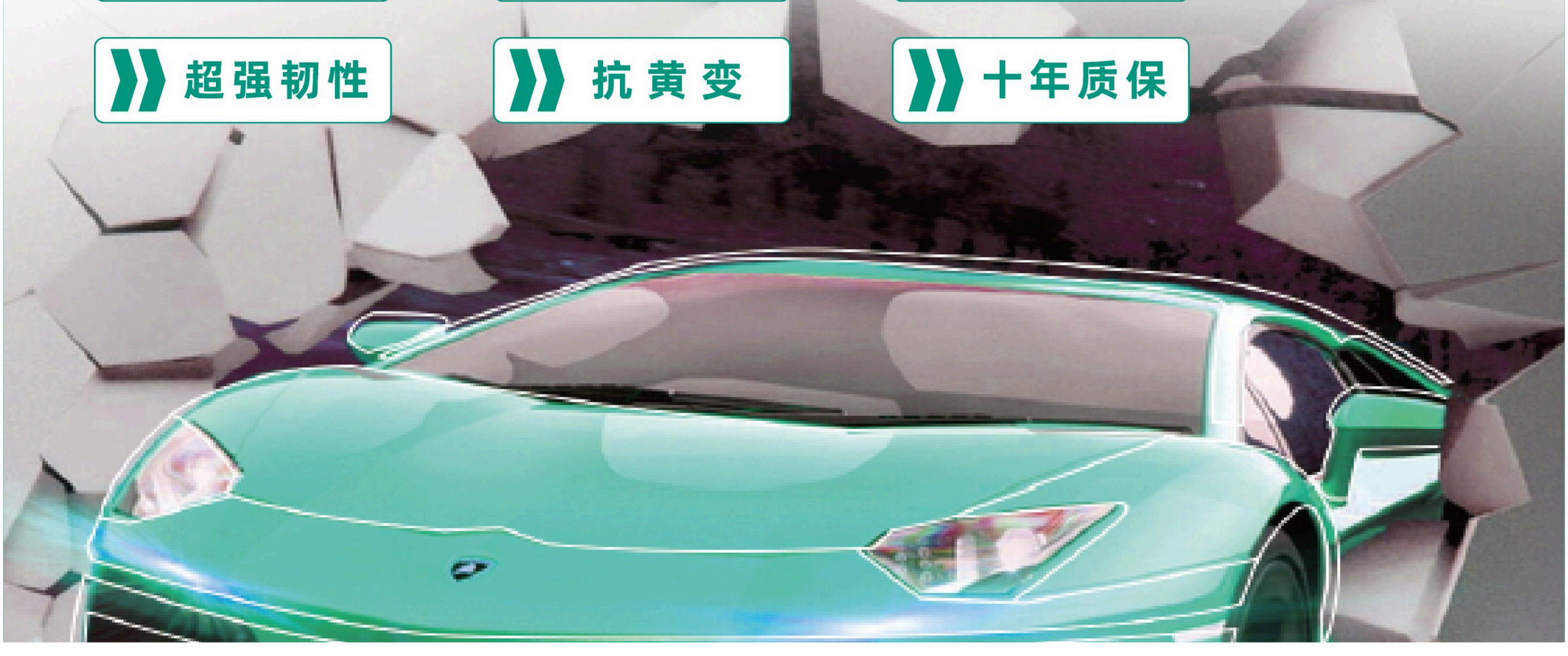
基层 Clear substrate
- 树脂浆及高分子增塑剂使用 Resins with polymer plasticizer
- 因配方独特不会出现龟裂现象 Prevent-crack Phenomenon
- 耐候性优秀（W-O-M，Q-UV 2000时间） Anti-UV
- 不会出现黄变现象 Anti-Yellowing

胶层 Adhesive
- 可重复粘贴 Reusable adhesive
- 易施工 Installation friendly

离型纸 Release Liner

漆面保护膜特性
PPF EFFECTS

- 超强防护
- 抗污性
- 超亮光泽
- 超强耐磨
- 抗UV
- 自动修复
- 超强韧性
- 抗黄变
- 十年质保



解决六大核心问题
ADDRESS THE SIX CORE ISSUES

1. 夏日暴晒开裂
Cracking due to intense summer sun exposure

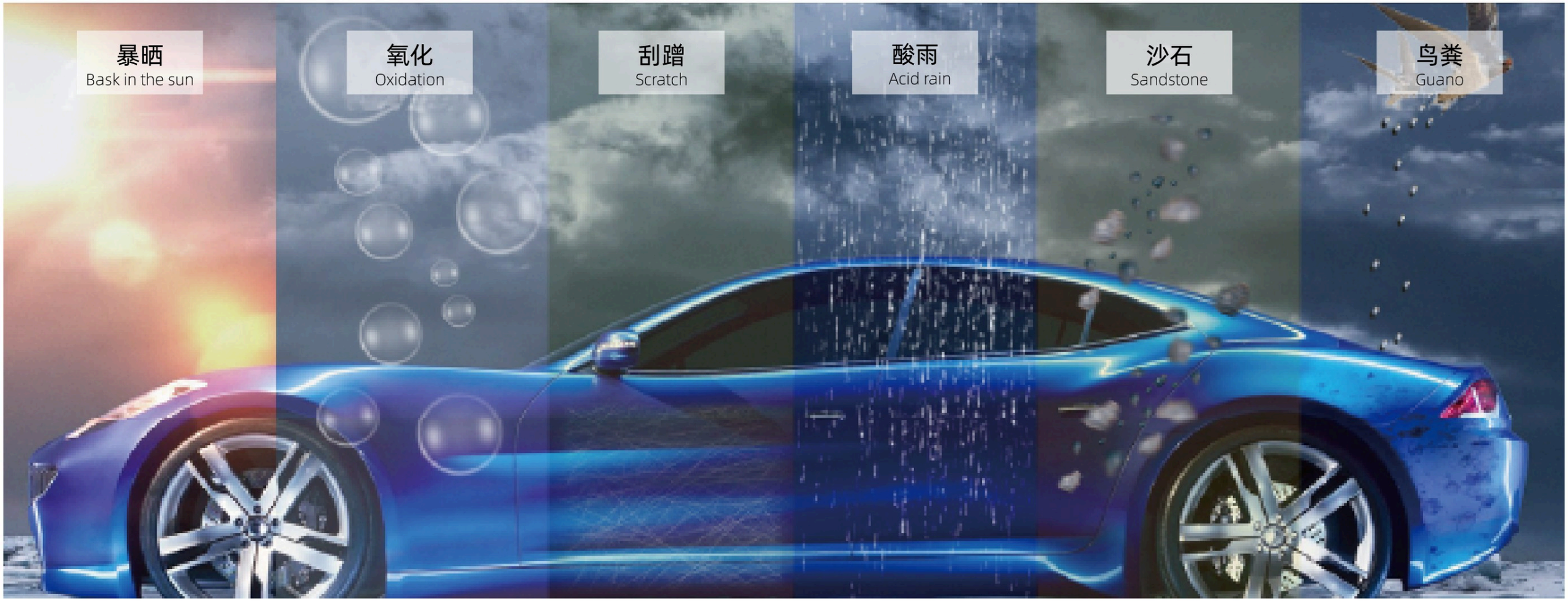
2. 隔绝外界污染、氧化
Isolate from external pollution and oxidation

3. 酸雨的腐蚀
Corrosion caused by acid rain

4. 意外刮蹭
Accidental scratch

5. 高速石子飞溅
high-speed stone splashing

6. 停车时的鸟粪
Bird droppings on a parked car



3 车衣系列

PPF SERIES

Transparent Brightening Series透明增亮系列

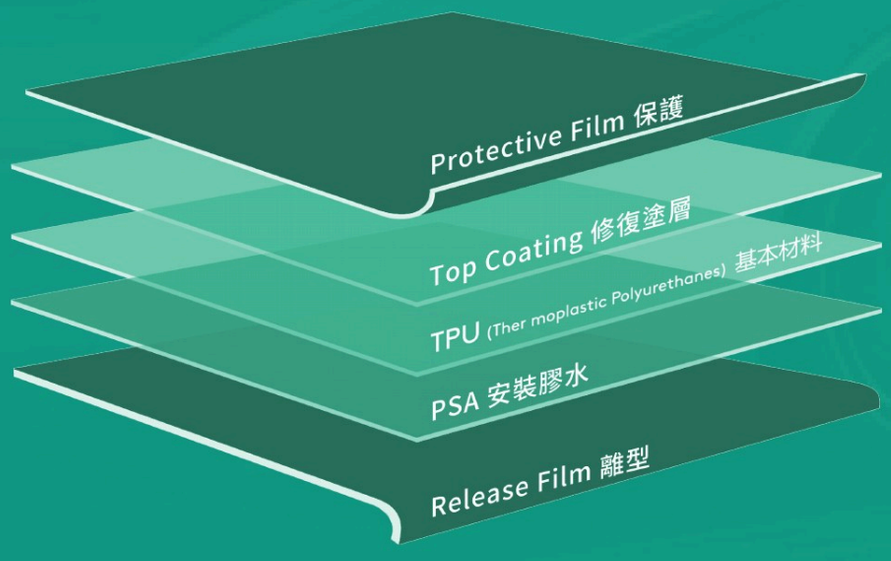
CM-C13 系列 -6.5MIL

综合性能出众，性价比无可挑剔

Outstanding comprehensive performance with impeccable cost-effectiveness.

从防护能力到安装便捷性，再到售后服务体系，这款车衣都展现出了极高的综合性能。而其价格却相对亲民
真正实现了性价比的无缝对接，让每一位车主都能感受到它的超值魅力。

From its protective capabilities to installation convenience, and even to its after-sales service system, this PPF has demonstrated exceptionally high overall performance. Yet, its price remains relatively affordable, truly achieving a seamless connection between quality and cost, allowing every car owner to experience its exceptional value and charm.



厚度 Thickness	6.5 MIL
TPU厚度 TPU Thickness	130um
胶水厚度 Adhesive Thickness	28um
保护膜厚度 Clearcoat Thickness	50um

Transparent Brightening Series透明增亮系列

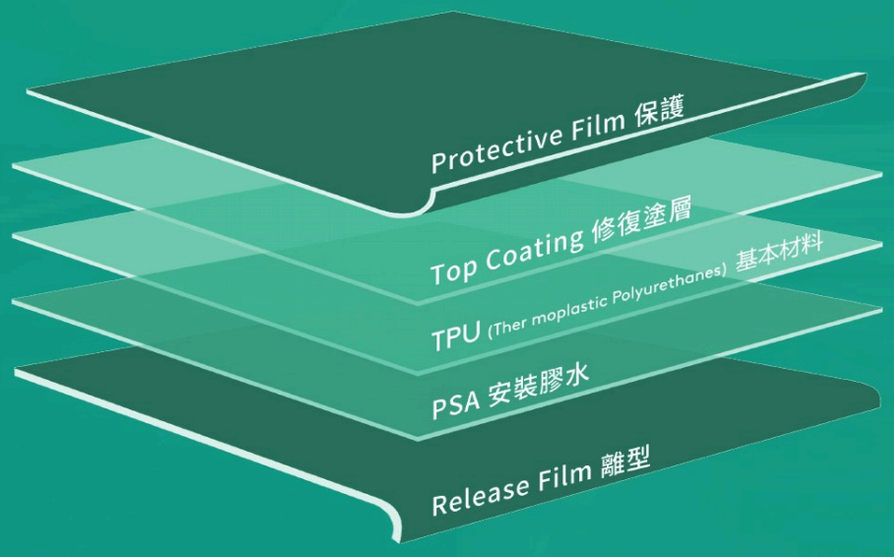
CM-C15 系列 -7.5MIL

全能适配，引领潮流的优选之盾

Versatile Fit, the Trend-Leading Shield of Choice.

这款车衣不断推陈出新，采用先进的材料技术和生产工艺，提供量身定制的保护方案。其广泛的适应性和卓越的性能表现，为车辆提供更加全面、持久的保护

This PPF constantly introduces new ideas, adopts advanced material technology and production process, and provides customized protection solutions. Its wide adaptability and excellent performance provide more comprehensive and lasting protection for vehicles.



厚度 Thickness	7.5 MIL
TPU厚度 TPU Thickness	150um
胶水厚度 Adhesive Thickness	28um
保护膜厚度 Clearcoat Thickness	50um

Transparent Brightening Series透明增亮系列

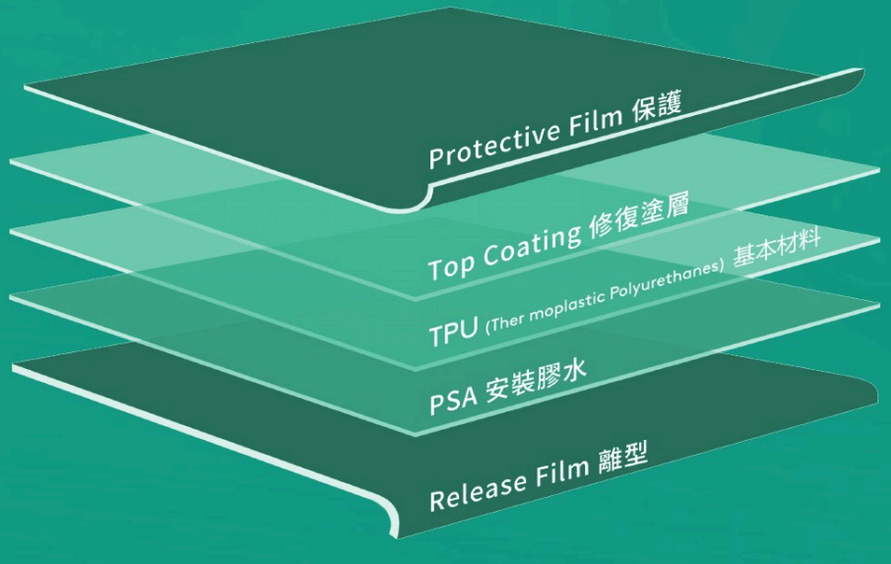
CM-C18 系列 -8.5MIL

精准厚度，卓越保护

Precise Thickness, Remarkable Protection.

确保车衣具有足够的韧性和耐磨性，又能有效防止划痕和轻微碰撞对车漆的伤害，为车辆提供卓越的保护

The PPF ensures sufficient toughness and wear resistance, effectively prevents scratches and minor collisions from damaging the car paint, and provides superior protection for the vehicle.



厚度 Thickness	8.5 MIL
TPU厚度 TPU Thickness	175um
胶水厚度 Adhesive Thickness	28um
保护膜厚度 Clearcoat Thickness	50um

Transparent Brightening Series透明增亮系列

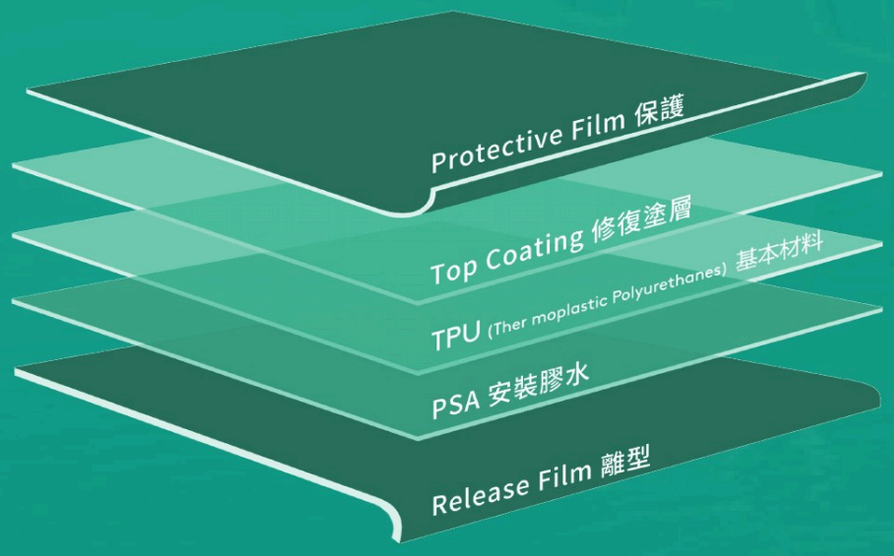
CM-C20 系列 -9.5MIL

坚如磐石，守护爱车每一刻

Solid as a rock, guarding your car every moment.

这款车衣拥有令人印象深刻的20mil厚度，为车辆提供了前所未有的强大防护力，
能够轻松抵御各种划痕和轻微碰撞，确保车漆光洁如新，延长车辆漆面的使用寿命

This PPF boasts an impressive thickness of 20mil, offering unprecedented protection for vehicles. It effortlessly withstands various scratches and minor collisions, ensuring the paintwork remains pristine and extends the lifespan of the vehicle's finish..



厚度 Thickness	9.5 MIL
TPU厚度 TPU Thickness	200um
胶水厚度 Adhesive Thickness	28um
保护膜厚度 Clearcoat Thickness	50um

Transparent Brightening Series透明增亮系列

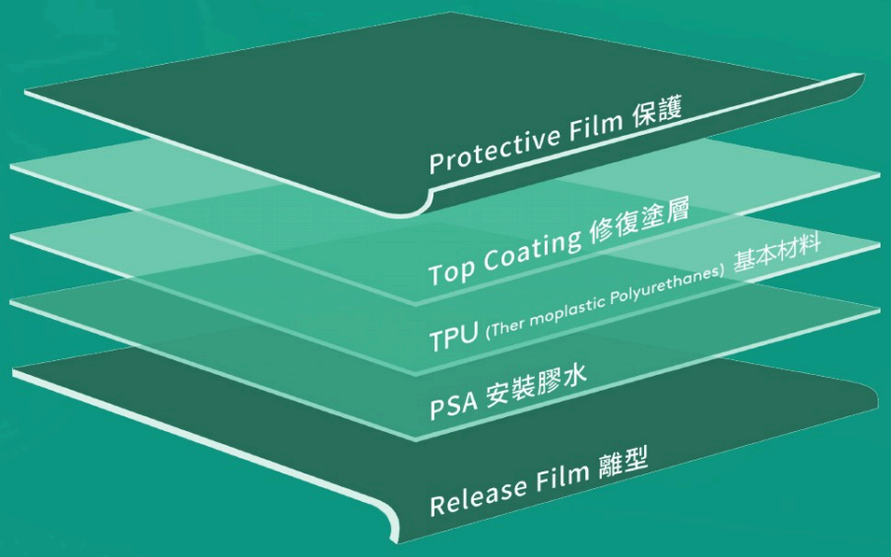
CM-M13 系列 -6.5MIL

综合性能出众，性价比无可挑剔

Outstanding comprehensive performance with impeccable cost-effectiveness.

从防护能力到安装便捷性，再到售后服务体系，这款车衣都展现出了极高的综合性能。而其价格却相对亲民真正实现了性价比的无缝对接，让每一位车主都能感受到它的超值魅力。

From its protective capabilities to installation convenience, and even to its after-sales service system, this PPF has demonstrated exceptionally high overall performance. Yet, its price remains relatively affordable, truly achieving a seamless connection between quality and cost, allowing every car owner to experience its exceptional value and charm.



厚度 Thickness	6.5 MIL
TPU厚度 TPU Thickness	130um
胶水厚度 Adhesive Thickness	28um
保护膜厚度 Clearcoat Thickness	50um

Transparent Brightening Series透明增亮系列

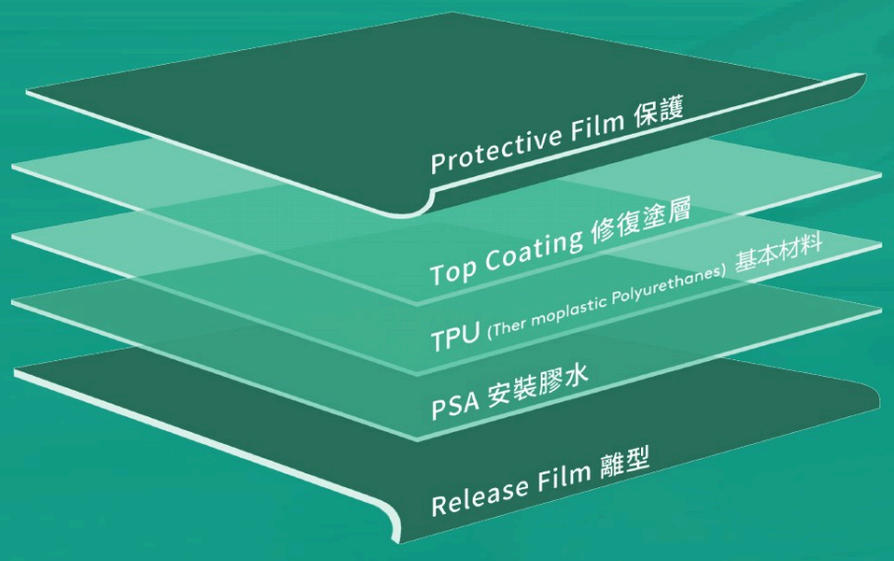
CM-M15 系列 -7.5MIL

全能适配，引领潮流的优选之盾

Versatile Fit, the Trend-Leading Shield of Choice.

这款车衣不断推陈出新，采用先进的材料技术和生产工艺，提供量身定制的保护方案。其广泛的适应性和卓越的性能表现，为车辆提供更加全面、持久的保护

This PPF constantly introduces new ideas, adopts advanced material technology and production process, and provides customized protection solutions. Its wide adaptability and excellent performance provide more comprehensive and lasting protection for vehicles.



厚度 Thickness	7.5 MIL
TPU厚度 TPU Thickness	150um
胶水厚度 Adhesive Thickness	28um
保护膜厚度 Clearcoat Thickness	50um

Transparent Brightening Series透明增亮系列

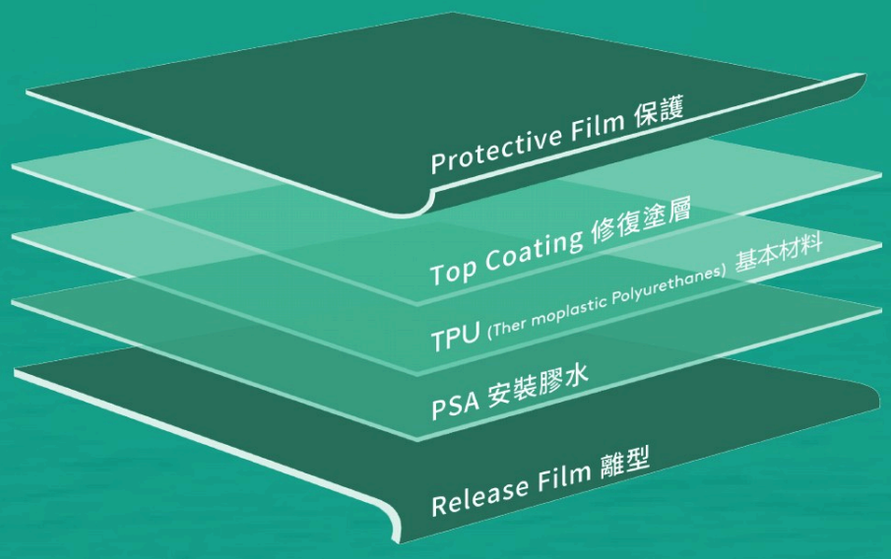
CM-M18 系列 -8.5MIL

精准厚度，卓越保护

Precise Thickness, Remarkable Protection.

确保车衣具有足够的韧性和耐磨性，又能有效防止划痕和轻微碰撞对车漆的伤害，为车辆提供卓越的保护

The PPF ensures sufficient toughness and wear resistance, effectively prevents scratches and minor collisions from damaging the car paint, and provides superior protection for the vehicle.



厚度 Thickness	8.5 MIL
TPU厚度 TPU Thickness	175um
胶水厚度 Adhesive Thickness	28um
保护膜厚度 Clearcoat Thickness	50um

Transparent Brightening Series透明增亮系列

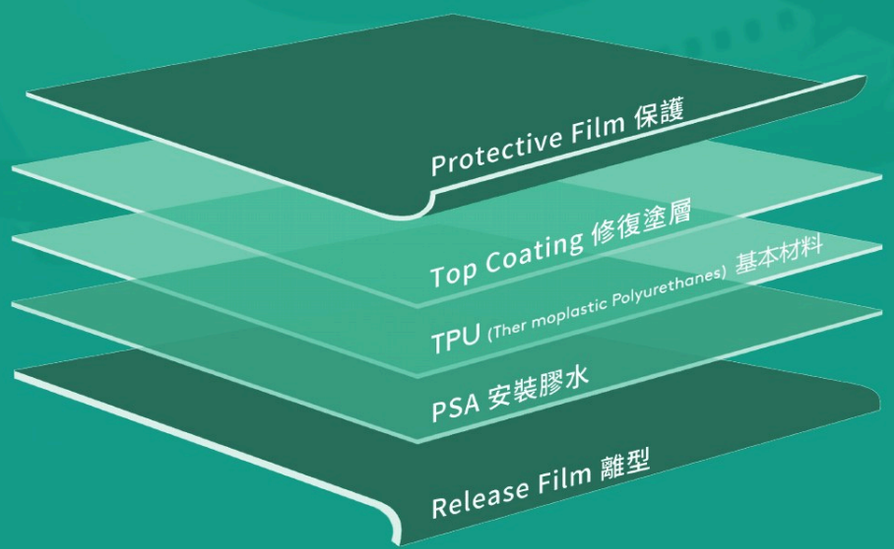
CM-M20 系列 -9.5MIL

坚如磐石，守护爱车每一刻

Solid as a rock, guarding your car every moment.

这款车衣拥有令人印象深刻的20mil厚度，为车辆提供了前所未有的强大防护力，
能够轻松抵御各种划痕和轻微碰撞，确保车漆光洁如新，延长车辆漆面的使用寿命

This PPF boasts an impressive thickness of 20mil, offering unprecedented protection for vehicles. It effortlessly withstands various scratches and minor collisions, ensuring the paintwork remains pristine and extends the lifespan of the vehicle's finish..

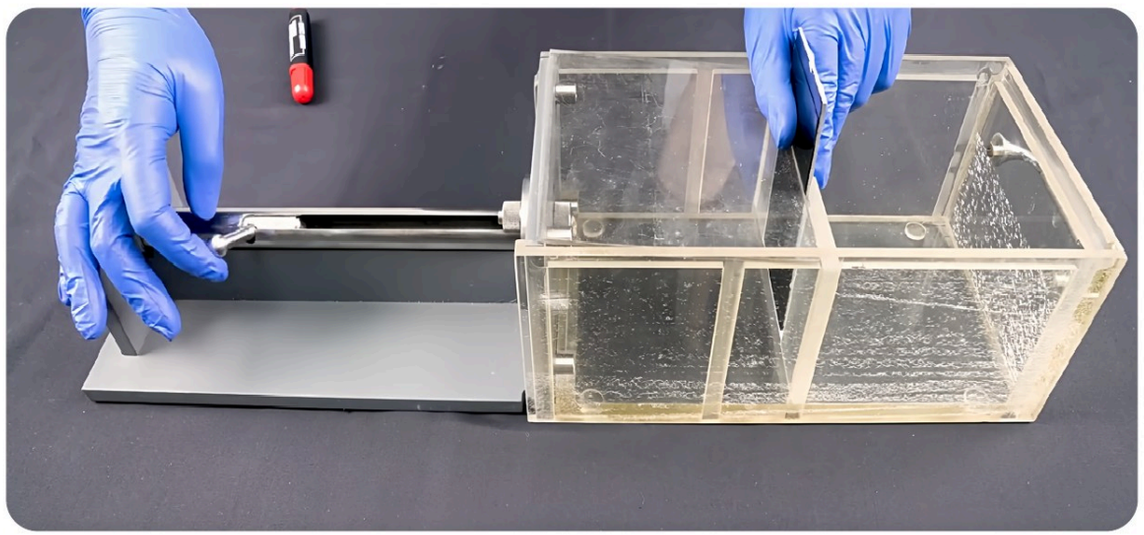


厚度 Thickness	9.5 MIL
TPU厚度 TPU Thickness	200um
胶水厚度 Adhesive Thickness	28um
保护膜厚度 Clearcoat Thickness	50um

性能测试

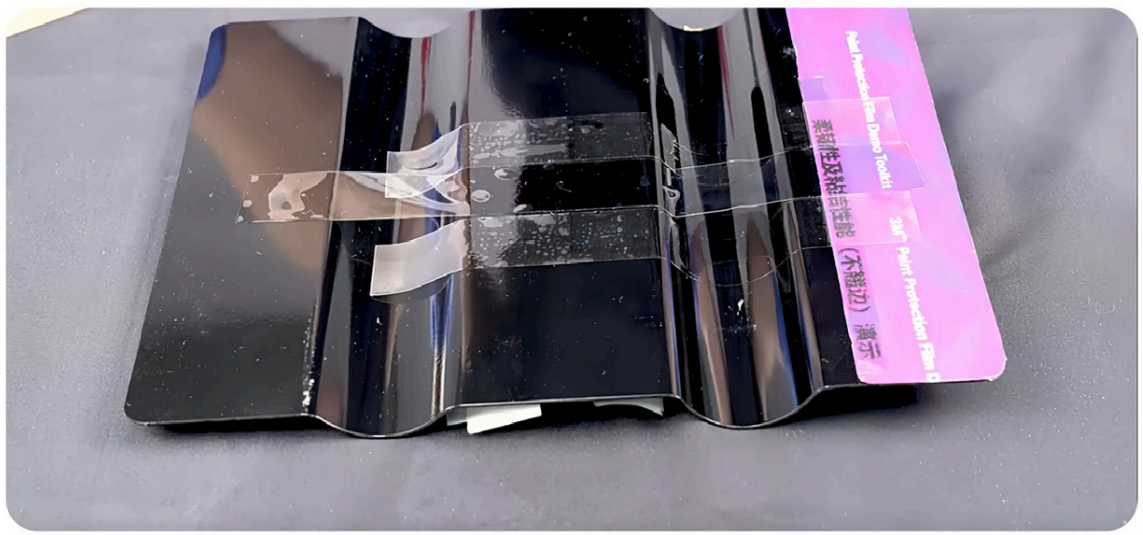
CHEERMO PPF 经过严格性能测试

Performance Testing
CHEERMO PPF has undergone rigorous performance testing



抗碎石冲击测试

Stone impact resistance test



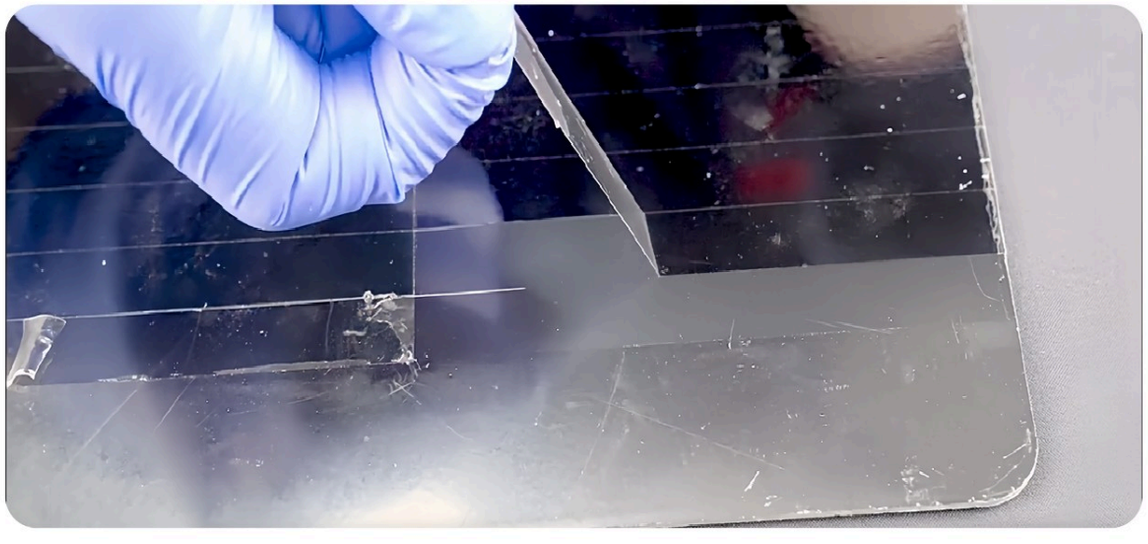
柔韧性及粘性测试

Flexibility & Viscosity test



修复测试

Fix the test



移除测试

Remove the test

CHEERMO漆面保护膜

产品规格丰富，以满足不同车主的需求

CHEERMO PPF

The Product Specifications are rich to meet the needs of different car owners

X Years Later



360°方位保护

CHEERMO优质TPU，创新科技材料，让您省时省心

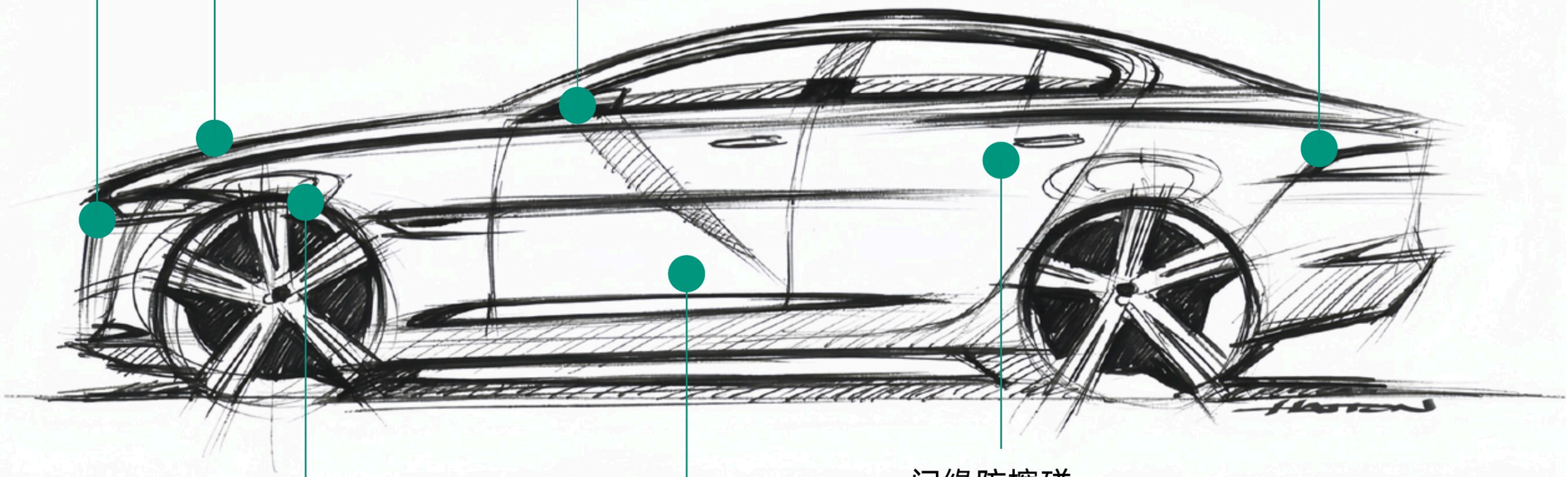
360° all-around protection
CHEERMO premium TPU, an innovative technological material, saves you time and trouble

保险杆防擦伤
Scratch-resistant bumper

引擎盖前缘防碎石撞击
Scratch-resistant front edge of the hood against debris impact

后视镜外缘防擦伤
Scratch-resistant edge of rearview mirror

后备箱防刮伤
Scratch-resistant trunk



轮弧前缘防碎石撞击
Stone impact protection for wheel arch front edge

门下防碎石冲击
Stone impact protection for door sill

门缘防擦碰
door sill protector

4 关于隔热膜

ABOUT SOLAR FILM

六大功能
SIX MAJOR EFFECTS



UV防护

UV REJECTION



有效隔热

HEAT REJECTION



防眩光

ANTI-GLARE



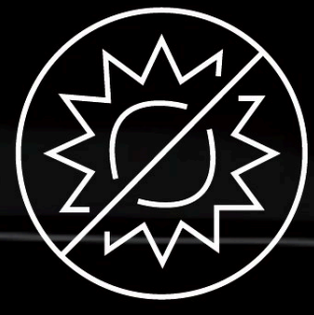
极致清晰

ULTIMATE CLARITY



节省能源

ENERGY CONSERVATION



防老化

ANTI-FADING

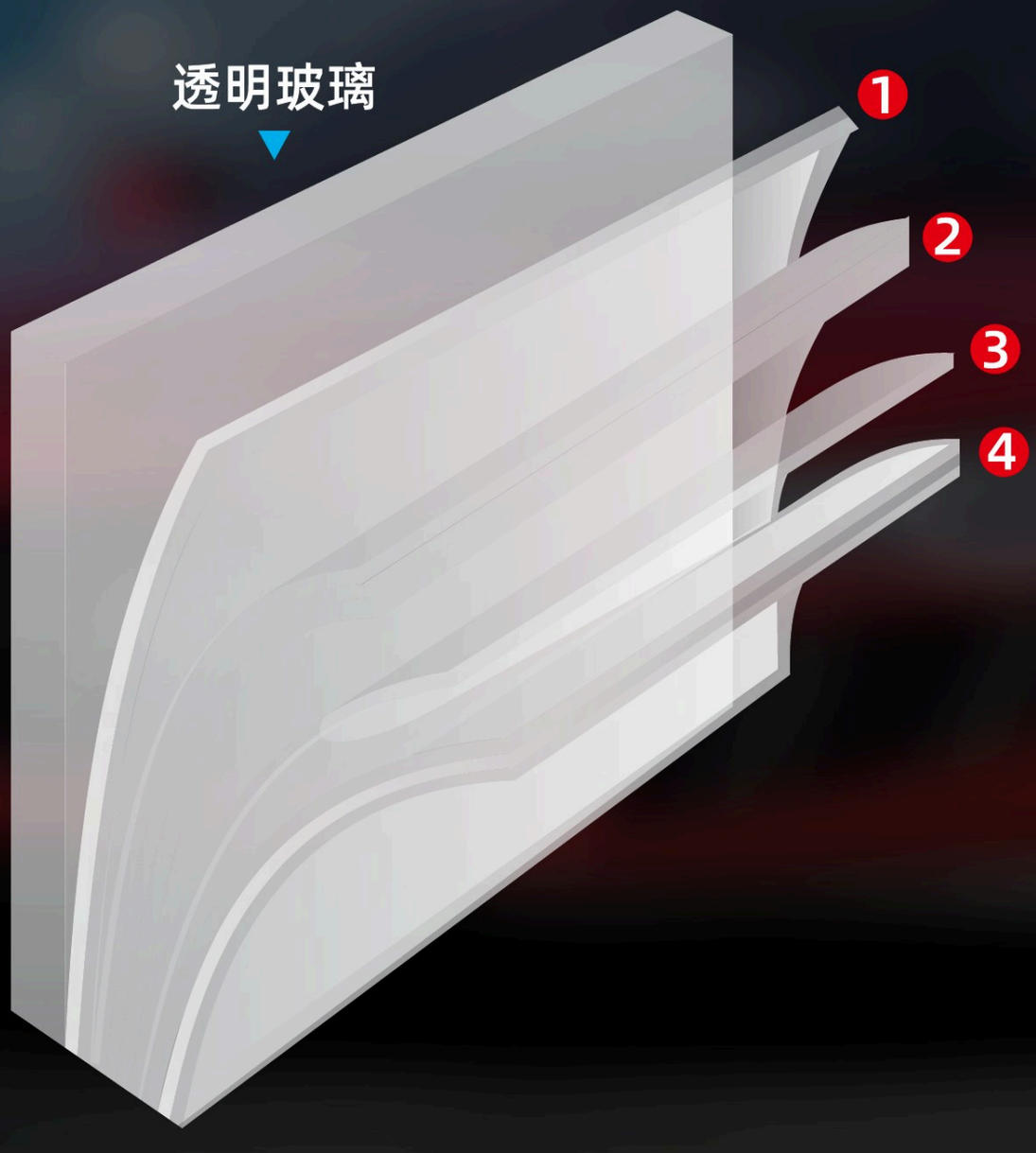
CHEERMO旗下窗膜，在保证更多可见光透过的同时
又能阻隔99%的的紫外线进入，从而保护我们的人体肌肤
保持隔热和视野清晰，营造舒适的驾乘环境

CHEERMO's window films, while ensuring maximum visible light transmission, effectively block 99% of UV rays from entering, thereby protecting our skin. They also maintain heat insulation and clear visibility, creating a comfortable driving environment.



CHEERMO通过长期研究与测试，获得了多层贵金属磁控溅射隔热膜的专利。将镍、银、钯等多种贵金属采用磁控技术，生产出一层金属高性能隔热膜，有效持久阻隔热能，减少汽车能耗，高性能屏蔽红外线热能、无惧阳光直射。

Through long-term research and testing, CHEERMO has obtained a patent for a multi-layer precious metal magnetron sputtering insulation film. Using nickel, silver, platinum and other precious metals with magnetron technology, a layer of high-performance metal insulation film is produced, which can effectively and persistently block heat energy, reduce automobile energy consumption, and has high-performance shielding against infrared heat energy, fearless of direct sunlight.



1
- 剥离膜(光学级) Peel film (optical grade)
- 防粘涂层 Anti-stick coating

2
- 隔热层(多层光学镀膜层) Thermal insulation (multi-layer optical coating)
- 安装胶+紫外线阻隔剂 Mounting adhesive + UV blocking agent
- 透明聚酯薄膜+紫外线阻隔剂 Transparent mylar + UV blocking agent

3
- 复合胶层 Composite adhesive layer

4
- 透视层 Perspective layer
- 透明聚酯薄膜 Transparent polyester film
- 防划伤硬涂层 Scratch resistant hard coating

性能优异的聚酯材料和超强粘附力相结合
保证了窗膜碎片牢牢吸附，减少玻璃飞溅的伤害

The combination of high-performance polyester material and super strong adhesion ensures that the window film fragments are firmly adsorbed, reducing the risk of glass splashing injuries.

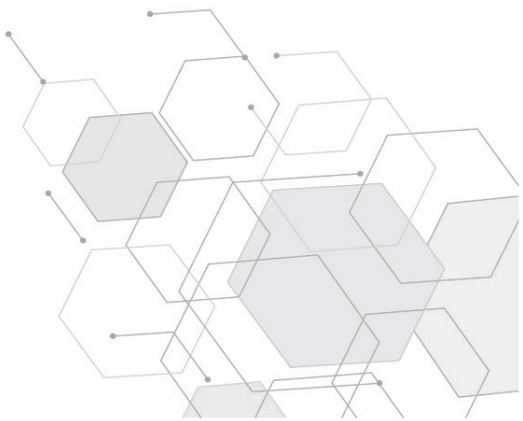


贴膜前
Before applying the film



贴膜后
After applying the film

5 隔热膜系列
SOLAR FILM SERIES



CHEERMO，可靠的，非凡的
CHEERMO,Reliable,Remarkable

昌茂光电
CHEERMO INDUSTRIAL

全窗高清纳米陶瓷膜

Full-window HD nano-ceramic film

防晒隔热，信号通畅

视野清晰，缓解刺眼阳光带来不适

Sunscreen and heat insulation, smooth signal

Clear vision, alleviate discomfort caused by glare from sunlight

Sputtering Series

LX70

厚度
Thickness
3 MIL

可见光透过率 (VLT) 73%

红外线阻隔率 (IRT) 87%

紫外线阻隔率 (UV) 99%

细节之处，彰显不凡

高清纳米窗膜，细节之处彰显你的独特品味。

The details reveal extraordinary excellence

High-definition nano window film, where every detail showcases your unique taste.



Nano Ceramic Series

AIR85

厚度
Thickness
2 MIL

可见光透过率 (VLT)	85%
红外线阻隔率 (IRT)	46%
紫外线阻隔率 (UV)	99.9%

“给车窗穿上‘未来战衣’，纳米科技，让爱车在街头巷尾成为最耀眼的焦点”

"Equip your car windows with a 'Future Armor' made of nanotechnology, turning your ride into the most dazzling spotlight on every street corner."



Nano Ceramic Series

AIR80

厚度
Thickness
2 MIL

可见光透过率 (VLT)	80%
红外线阻隔率 (IRT)	75.5%
紫外线阻隔率 (UV)	99.8%

CHEERMO，可靠的，非凡的
CHEERMO,Reliable,Remarkable

昌茂光电
CHEERMO INDUSTRIAL

高清视界，舒适旅程

High-definition visuals, for a comfortable journey

每一次出行，都是对清晰世界的探索与发现
高清窗膜，让旅途中的风景更加生动

Every journey is an exploration and discovery of a clear and vivid world
High-definition window film enhances the vividness of the scenery during your journey.

Nano Ceramic Series

IR7099

厚度
Thickness
2 MIL

可见光透过率 (VLT)	70%
红外线阻隔率 (IRT)	92%
紫外线阻隔率 (UV)	99.8%

CHEERMO，可靠的，非凡的
CHEERMO,Reliable,Remarkable

昌茂光电
CHEERMO INDUSTRIAL

细节决定成败，我的窗膜，连微笑都藏不住

Details make the difference,
and my window film even reveals the subtlest of smiles.



Nano Ceramic Series

IR7090

厚度
Thickness
2 MIL

可见光透过率 (VLT)	65%
红外线阻隔率 (IRT)	92%
紫外线阻隔率 (UV)	99.8%

全方位防晒与紫外线防护

Comprehensive Sun Protection and UV Shielding.

高效隔绝99%紫外线侵袭，让爱车青春常驻，焕发不朽魅力

Effectively blocks 99% of UV radiation, keeping your car youthful and radiant with timeless charm



Nano Ceramic Series

IR5092

厚度
Thickness
2 MIL

可见光透过率 (VLT)	50%
红外线阻隔率 (IRT)	92%
紫外线阻隔率 (UV)	99.9%

纳米陶瓷材质，确保窗膜实现均衡的色泽和极高的清晰度，夜间安驾驶，有效减少眩光。

The Nano-ceramic material ensures that the window film achieves balanced color and extremely high clarity, providing effective glare reduction for safe driving at night.

Nano Ceramic Series

IR2592

厚度
Thickness
2 MIL

可见光透过率 (VLT)	25%
红外线阻隔率 (IRT)	92%
紫外线阻隔率 (UV)	99.9%

CHEERMO，可靠的，非凡的
CHEERMO,Reliable,Remarkable

昌茂光电
CHEERMO INDUSTRIAL

不只是窗膜，更是你旅途中的‘贴心伴侣’

智能隔热，让每一次出行都更加愉快

“More than just a window film, it's your 'thoughtful companion' on every journey”
Intelligent insulation, enhancing the joy of every trip



Ultra-clear Nano Titanium Nitride Sputtering Series

HD7095

厚度
Thickness
2 MIL

可见光透过率 (VLT)	71%
红外线阻隔率 (IRT)	96.5%
紫外线阻隔率 (UV)	99.8%

持久美护，便捷同行

Enduring Beauty, Effortless Companion

卓越材质，便捷维护，守护如初

Premium materials, Effortless maintenance, Protected like new.



Ultra-clear Nano Titanium NitrideSputtering Series

HD4592

厚度
Thickness
2 MIL

可见光透过率 (VLT)	45%
红外线阻隔率 (IRT)	92%
紫外线阻隔率 (UV)	99.9%

CHEERMO，可靠的，非凡的
CHEERMO,Reliable,Remarkable

昌茂光电
CHEERMO INDUSTRIAL

环保健康，节能出行

Eco-friendly and healthy, promoting energy-efficient travel

环保节能，为地球母亲减负，我们都在行动

Eco-friendly and energy-saving, we are all taking action to ease the burden on Earth.

Ultra-clear Nano Titanium NitrideSputtering Series

HD3592

厚度
Thickness
2 MIL

可见光透过率 (VLT)	37%
红外线阻隔率 (IRT)	90%
紫外线阻隔率 (UV)	99.9%

透光隐私，融合艺术，旅程尽享专属静谧空间

Light & Privacy, Fused with Artistry: Embrace Your Exclusive Serenity on Every Journey

车内视野清晰，有效阻挡外界窥视，保护隐私

Clear visibility inside the vehicle, effectively blocking outside prying eyes for privacy protection



Ultra-clear Nano Titanium NitrideSputtering Series

HD1592

厚度
Thickness
2 MIL

可见光透过率 (VLT)	13%
红外线阻隔率 (IRT)	91.5%
紫外线阻隔率 (UV)	100%

碎玻安稳，守护安全

Stable Shattered Glass, Guardian of Safety

碎玻锁固，飞溅无惧，筑起驾乘安全防线

Locked Shards, Fearless of Splinters, Erecting a Defensive Barrier for Safe Driving



Ultra-clear Nano Titanium NitrideSputtering Series

HD0592

厚度
Thickness
2 MIL

可见光透过率 (VLT) 4%

红外线阻隔率 (IRT) 93.3%

紫外线阻隔率 (UV) 100%

CHEERMO，可靠的，非凡的
CHEERMO,Reliable,Remarkable

昌茂光电
CHEERMO INDUSTRIAL

“高清窗膜，以卓越的清晰度和均衡的色泽，为每一次出行带来非凡的视觉体验”

High-definition window film, with exceptional clarity and balanced color, brings an extraordinary visual experience to every journey



Nano Ceramic Series

Silver 15

厚度
Thickness
2 MIL

可见光透过率 (VLT)	15%
红外线阻隔率 (IRT)	91%
紫外线阻隔率 (UV)	76%

6 关于建筑膜

ABOUT BUILDING FILM

“节约能源，减少碳排放”
Save energy and reduce carbon emissions

每2000平方米的窗户贴上建筑隔热膜后可省
After sticking the building insulation film on the windows of every 2000 square meters, energy can be saved

533,711元
每年节约制冷费用估算
Estimation of annual savings in refrigeration costs

638颗
植被增加
Increase in vegetation

204,658公斤
相当于碳排放减少
Equivalent to a reduction in carbon emissions



“玻璃上的膜术”，解译节能减排新密码

“The Art of Window Films” Decoding the New Password for Energy Saving and Emission Reduction.

紫外线防护：阻隔率超过99%，保护皮肤和家具免受紫外线伤害

Over 99% UV rejection rate, protecting skin and furniture from UV damage.

降温节能：可阻隔79%的太阳辐射，减少高达30%的冷气负荷，实现节能减排效果

It can block up to 79% of solar radiation heat.To reduce air-conditioning load by up to 30% and achieve energy saving and emission reduction effects.

经济耐用：功能多样，装饰性强，使用寿命长达15年以上

Multi-functional, decorative, with a long lifespan of over 15 years.

安全增强：防爆抗震，防止玻璃飞溅伤人，增强防盗性能

EXplosion-proof and earthquake-resistant，preventing flying glass shards and enhancing security.

节能省电　　膜力降温　　无惧阳光

Energy Saving and Power Reduction, Membrane Power for Temperature Reduction, Unfazed by the Sun.

窗膜的构成结构
COMPOSITION OF WINDOW FILM

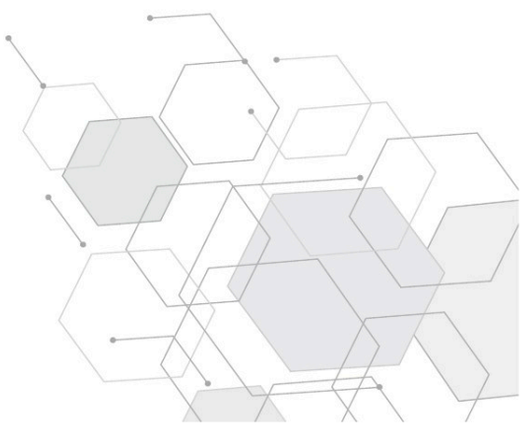


全新技术进阶，阻隔热量穿透

With the advancement of brand-new technology
,heat penetration is effectively blocked

7 建筑膜系列

BUILDING FILM SERIES







室内贴

室外贴

Gray Silver

可见光透过率 (VLT) 50%

红外线阻隔率 (IRT) 90%

紫外线阻隔率 (UV) 99%





室内贴

室外贴

Black Silver

可见光透过率 (VLT) 50%

红外线阻隔率 (IRT) 88%

紫外线阻隔率 (UV) 99%





室内贴

室外贴

Dark Blue Silver

可见光透过率 (VLT)	22%
红外线阻隔率 (IRT)	90%
紫外线阻隔率 (UV)	99%





室内贴

室外贴

Green Silver

可见光透过率 (VLT) 75%

红外线阻隔率 (IRT) 89%

紫外线阻隔率 (UV) 99%



室内贴



室外贴

Red Silver

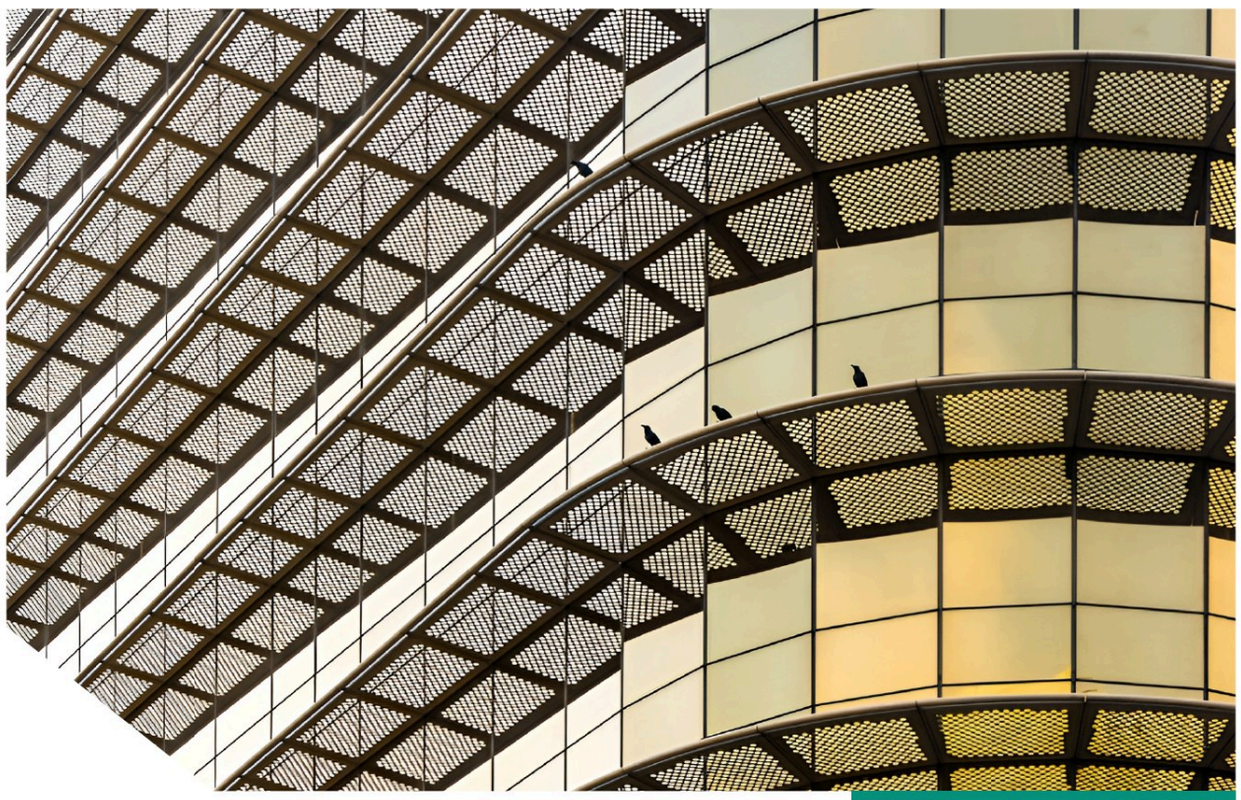
可见光透过率 (VLT) 16%

红外线阻隔率 (IRT) 87%

紫外线阻隔率 (UV) 99%



室内贴



室外贴

Gold Silver

可见光透过率 (VLT) 75%

红外线阻隔率 (IRT) 89%

紫外线阻隔率 (UV) 99%



室内贴



室外贴

Blue Silver

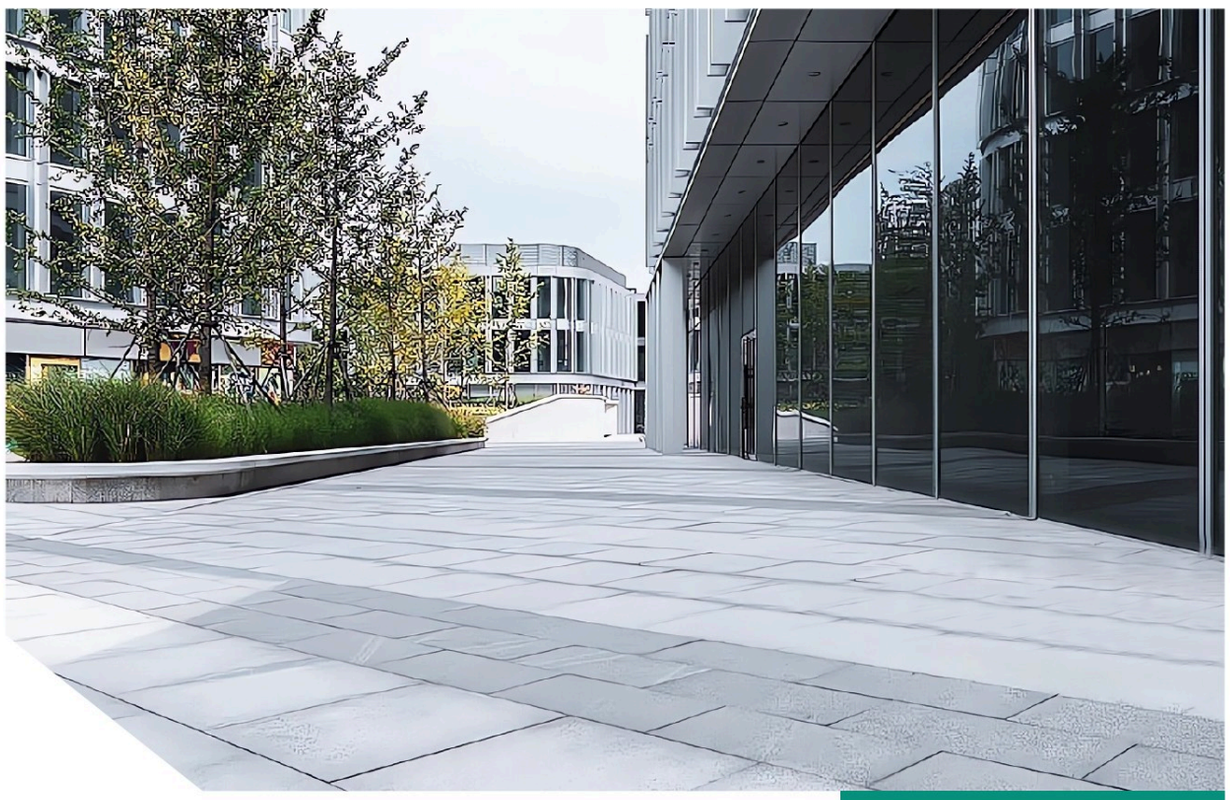
可见光透过率 (VLT) 68%

红外线阻隔率 (IRT) 92%

紫外线阻隔率 (UV) 99%



室内贴



室外贴

Completely Black

可见光透过率 (VLT) 10%

红外线阻隔率 (IRT) 83%

紫外线阻隔率 (UV) 99%





室内贴

室外贴

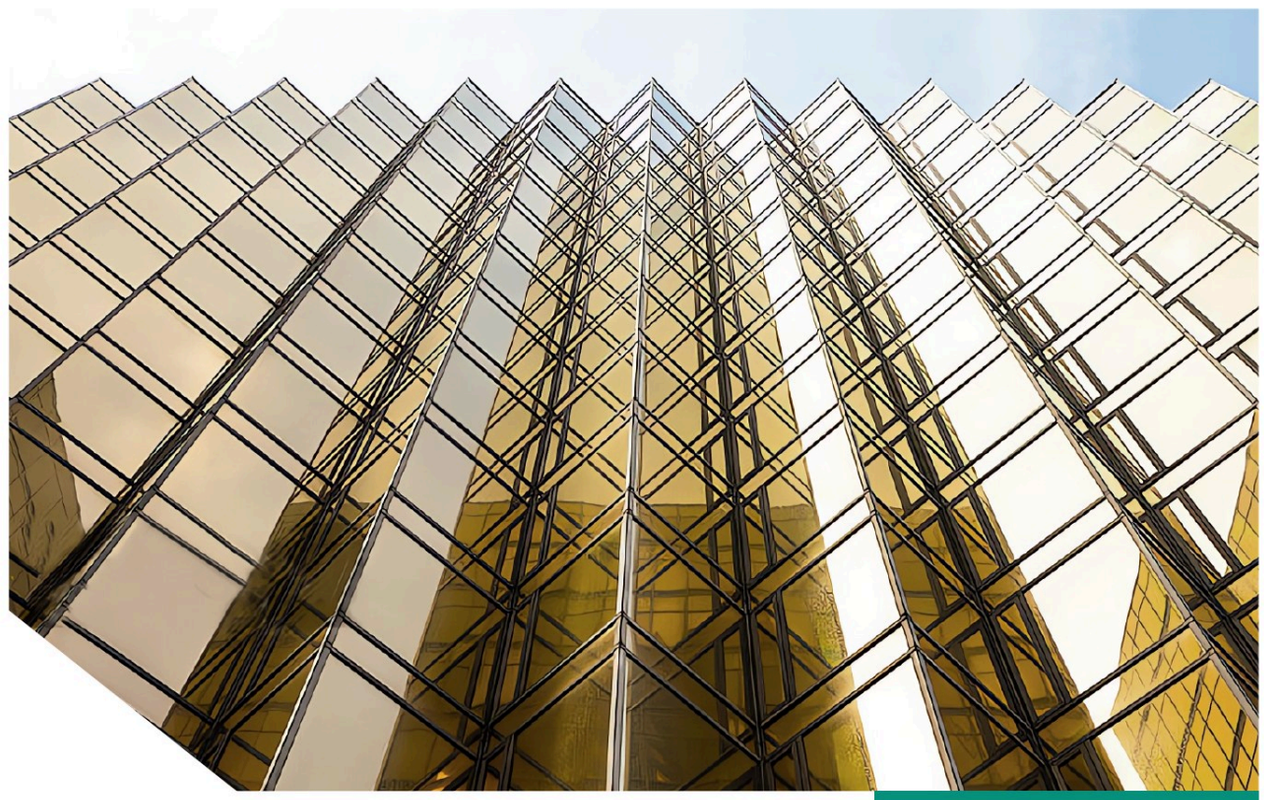
White Frosted

可见光透过率 (VLT) 15%

红外线阻隔率 (IRT) 92%

紫外线阻隔率 (UV) 99%





室内贴

室外贴

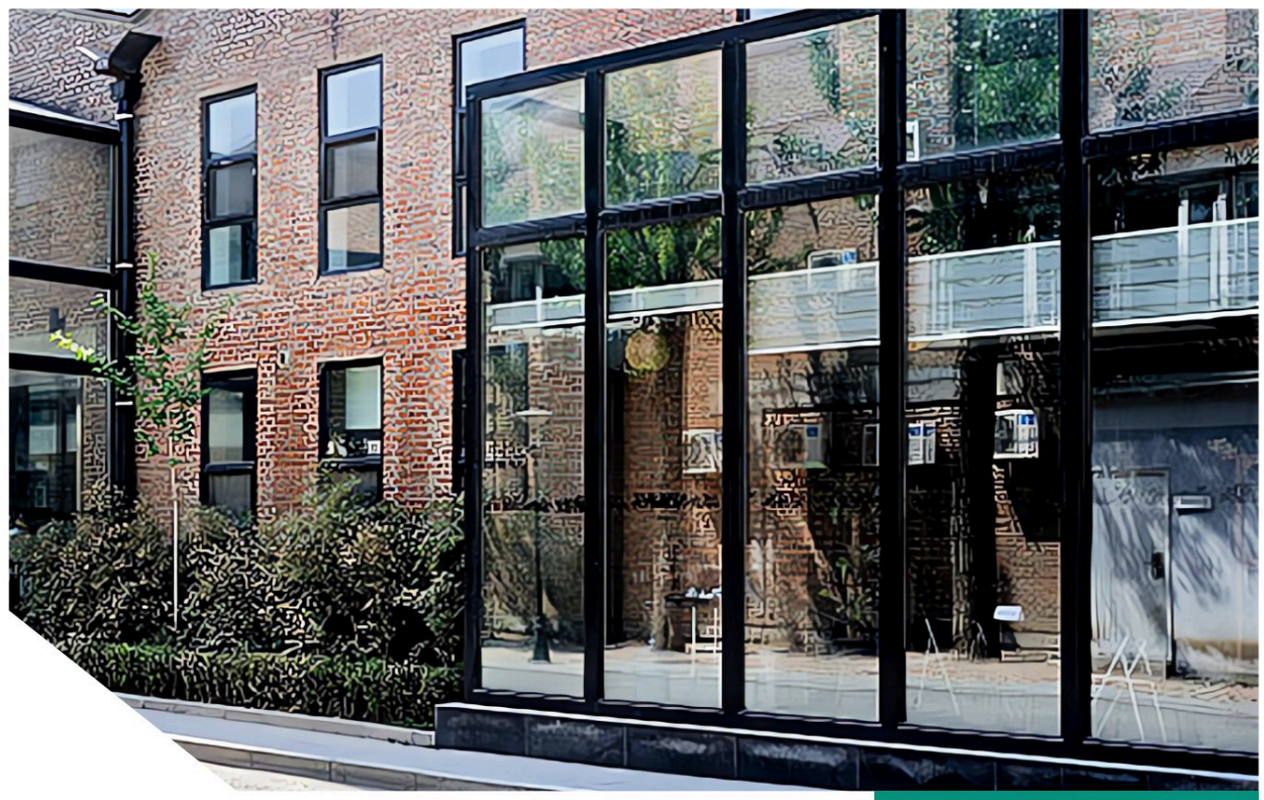
Tea Silver

可见光透过率 (VLT) 20%

红外线阻隔率 (IRT) 85%

紫外线阻隔率 (UV) 99%





室内贴

室外贴

Safety 4M

可见光透过率 (VLT) 91%

红外线阻隔率 (IRT) 31%

紫外线阻隔率 (UV) 99%



室内贴



室外贴

Safe 8M

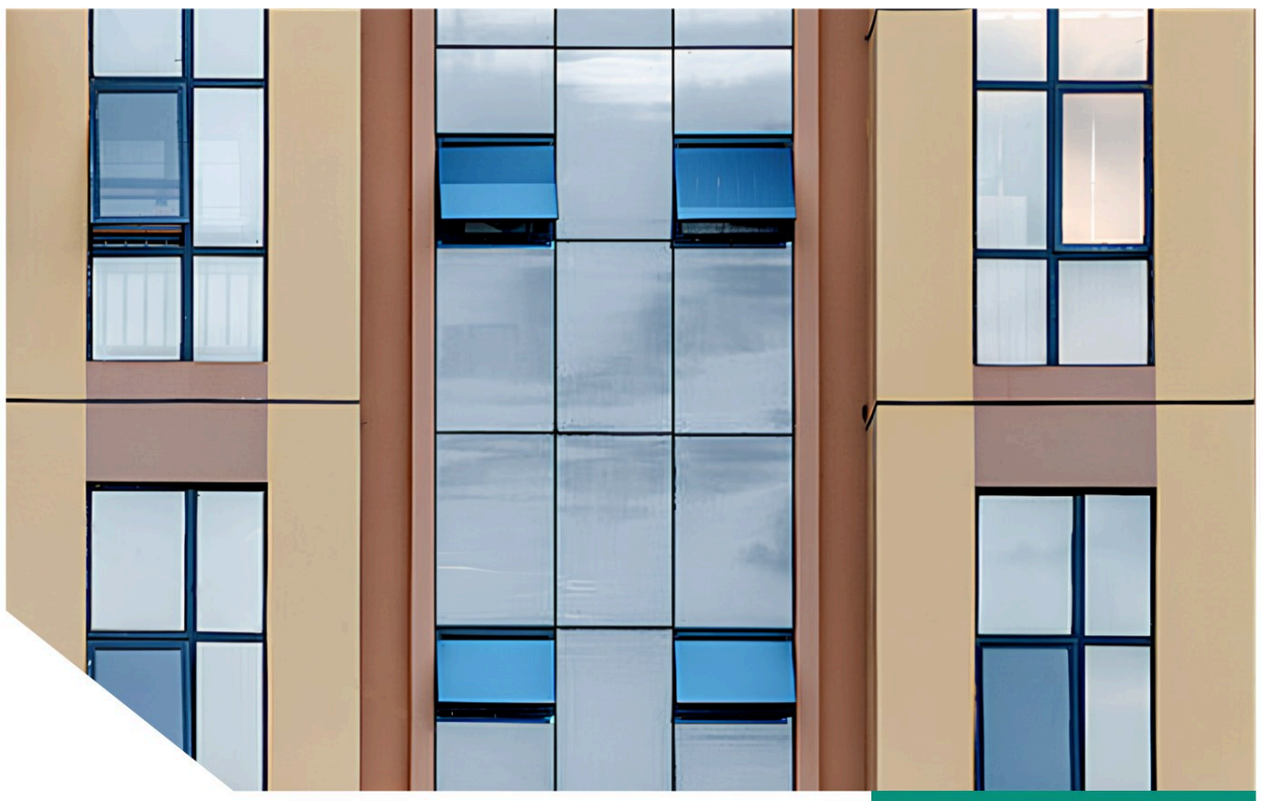
可见光透过率 (VLT) 93%

红外线阻隔率 (IRT) 36%

紫外线阻隔率 (UV) 99%



室内贴



室外贴

Silver 15%

可见光透过率 (VLT) 15%

红外线阻隔率 (IRT) 92%

紫外线阻隔率 (UV) 99%





室内贴

室外贴

Silver 20%

可见光透过率 (VLT) 20%

红外线阻隔率 (IRT) 89%

紫外线阻隔率 (UV) 99%





室内贴

室外贴

Silver 35%

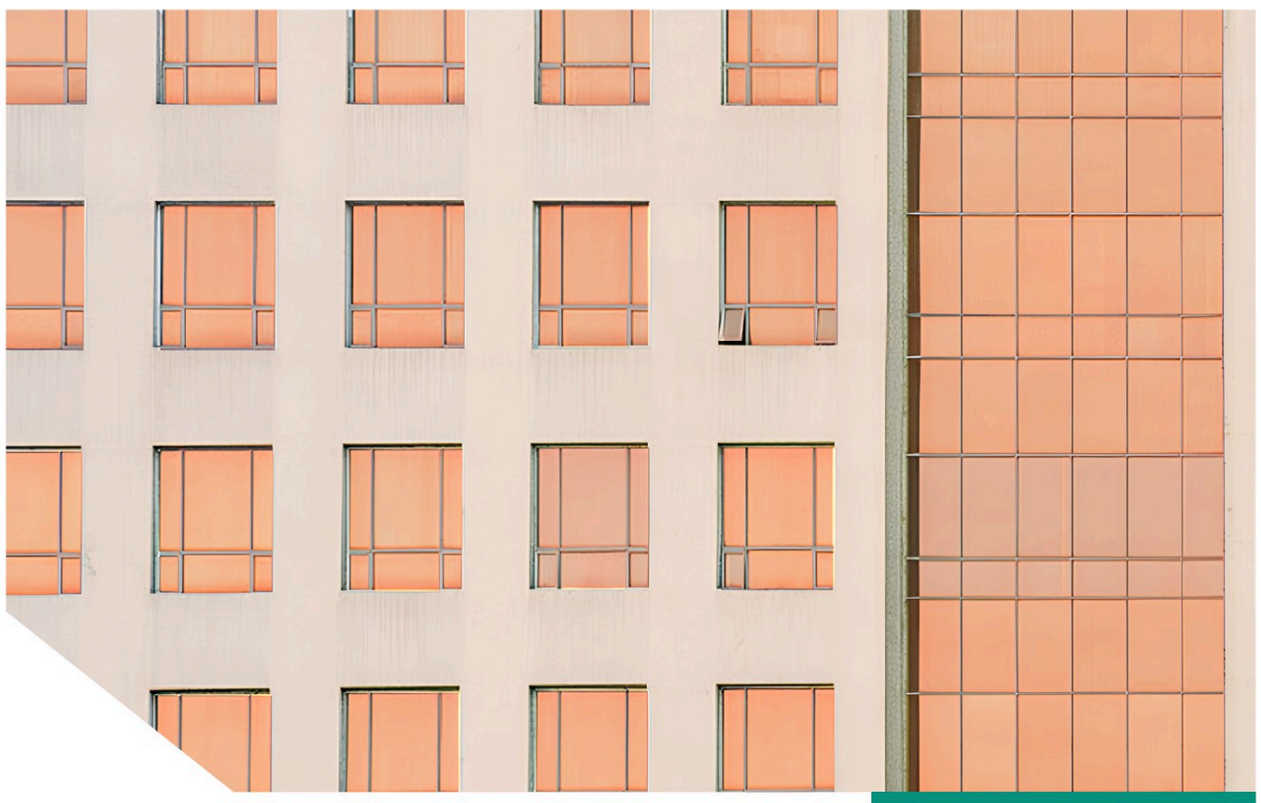
可见光透过率 (VLT) 35%

红外线阻隔率 (IRT) 85%

紫外线阻隔率 (UV) 99%



室内贴



室外贴

Copper Silver 15%

可见光透过率 (VLT) 15%

红外线阻隔率 (IRT) 85%

紫外线阻隔率 (UV) 99%



室内贴



室外贴

Copper Silver 35%

可见光透过率 (VLT) 35%

红外线阻隔率 (IRT) 89%

紫外线阻隔率 (UV) 99%

关于昌茂CHEERMO黏膠材料—
我们提供OEM & ODM的全面解决方案
根据客户每个产品的特殊性和需求
如何正确使用合适的解决方案是充满挑战的
根据每个产品的特殊性和需求
我们将会是您可靠的合作伙伴
帮助您定制和客制化符合市场需求的专属全面方案。

Coating process is what Cheermo Industry specializes in.
We provide a total solution for OEM and ODM.
The specificities and needs of each product are taken into account.
Using the correct solution can be a challenge.
We are here to be your reliable partner
Customizing exclusive comprehensive solutions that meet market needs.

El proceso de recubrimiento es en lo que se especializa Cheermo Industry—
Ofrecemos una solución total para OEM & ODM.
Se tienen en cuenta las especificidades & necesidades de cada producto.
Usar la solución correcta puede ser un desafío.
Estamos aquí para ser su socio confiable en la personalización de soluciones integrales exclusivas que satisfagan las necesidades del mercado.

昌茂会社産業Cheermo Industries当社について—
OEMおよびODM向けの包括的なソリューションを提供します。
各製品の特定の状況とニーズが考慮されます。
適切なソリューションを使用するのは難しい場合があります。
当社は、お客様の信頼できるパートナーとして、市場のニーズに合わせてカスタマイズされた独自の包括的なソリューションを提供します。

Beschichtungsverarbeitung ist Cheermo Industry spezialisiert—
Wir bieten eine Gesamtlösung für OEM und ODM.
Die Besonderheiten und Bedürfnisse jedes einzelnen Produkts werden berücksichtigt.
Die Verwendung der richtigen Lösung kann eine Herausforderung sein.
Wir sind hier, um Ihr zuverlässiger Partner bei der kundenspezifischen Entwicklung exklusiver Komplettlösungen zu sein, die den Marktanforderungen gerecht werden.