标准系列

幻彩系列

肌理纹、绒面系列

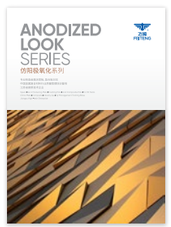
漫反射系列

铜、不锈钢系列

纯钛、钛锌系列

拉丝、镜面系列

木纹、石纹系列



仿阳极氧化系列

自洁复合板系列

隔热反射复合板系列

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FEITENG DIPPER SERIES
INFRARED-REFLECTIVE ALUMINUM COMPOSITE PANEL

隔热反射复合板系列

专业制造金属涂层板、复合板30年
中国金属复合材料行业质量管理培训基地
江苏省高新技术企业

Specialize in Producing Metal Coating Panel and Composite Panel for 30 Years
China Metal Composite Industry Quality Management Training Base
Jiangsu High-tech Enterprise

坚固多彩的隔热技术·保持建筑室内凉爽

Durable and Vibrant Thermal Insulation Technology Keeps building interiors cool

FEITENG DIPPER系列红外反射隔热技术
FEITENG Dipper Series Infrared Reflective Insulation Technology

FEITENG DIPPER系列隔热反射复合板是基于氟聚合物的优质红外反射(IR)涂层的绿色产品，应用包括低坡度屋面、陡坡屋面和建筑幕墙，具有出色的美学、耐用性和长期的红外反射率，显著降低建筑中空调等温度调节系统的使用频率和能耗。FEITENG DIPPER系列隔热反射复合板满足LEED®、ENERGY STAR®（能源之心）、Title 24及ASHRAE 90.1标准，成为项目赢得"绿色建筑认证"的有力支撑，助力建筑商和设计师打造更节能、更易获奖的高品质建筑作品，使居住者获得更舒适的居住体验。

FEITENG DIPPER Series infrared-reflective aluminum composite panels are eco-friendly products featuring a high-quality fluoropolymer-based infrared-reflective (IR) coating. Suitable for applications such as low-slope roofs, steep-slope roofs, and building facades, these panels deliver excellent aesthetics, durability, and long-term infrared reflectivity. They significantly reduce the frequency of use and energy consumption of temperature regulation systems, such as air conditioning, in buildings.

Compliant with standards including LEED®, ENERGY STAR®, Title 24, and ASHRAE 90.1, FEITENG Dipper Series infrared-reflective composite panels provide strong support for projects aiming to achieve Green Building Certification. They assist builders and designers in creating more energy-efficient and award-winning high-quality buildings, while enhancing comfort for occupants.

核心优势
Core Advantages

降低空调系统相关的能耗
提升建筑内部舒适度

Reduces internal energy consumption related to air conditioning systems and enhances indoor comfort

优越的耐候性，出色的光泽度
降低热胀冷缩，延长使用寿命

Superior weather resistance and excellent gloss retention
Minimizes thermal expansion and contraction, extending service life

宽广的调色板，包括深色和亮色
宽泛的光泽度范围可选

Wide range of color options, including deep and vibrant shades
Broad selection of gloss levels available

隔热标准 Insulation Standards Compliance

LEED®

ENERGY STAR®

Title 24

ASHRAE 90.1

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性能参数	Product Characteristics	测试标准 Test Standard	
光泽	Gloss	ASTM D523 @ 60°	25-35
太阳反射率	Solar Reflectance	ASTM E903	初始 initial >25%; 3年后 after 3 years >15%
(陡坡/低坡)	(Steep Slope / Low Slope)		初始 initial >65%; 3年后 after 3 years >50%
发射率	Emissivity	ASTM C1371, ASTM E408	0.80 (80%) min.
涂层硬度	Pencil Hardness	ASTM D3363	HB – H
灵活性 (T-Bend)[2]	Flexibility (T-Bend)[2]	ASTM 4145	0–2 T形弯曲；无脱落 0–2 T-bend; no pick-off
附着力	Adhesion	ASTM D3359	无附着力损失 No adhesion loss
反向冲击	Reverse Impact	ASTM D2794	13.6J (0.6mm), 无脱落 No pick off
耐磨损 (落砂)	Abrasion (Falling Sand)	ASTM D968	65-85 l/mil
耐砂浆性	Mortar Resistance	ASTM C267	没有影响 No effect
耐洗涤剂性	Detergent Resistance	ASTM D2248	没有影响 No effect
		3% detergent @ 38°C, 72 hours	
耐酸性	Acid Resistance	ASTM D1308	
		10% muriatic acid - 24 hours	没有影响 No effect
		20% sulfuric acid - 18 hours	没有影响 No effect
酸雨试验	Acid Rain Test	Kesternich SO_2, DIN 50018	至少15个循环 15 cycles minimum
		ASTM D1308	无明显变化 No objectionable change
耐碱性	Alkali Resistance	10%, 25% NaOH, 1 hour	没有影响 No effect
耐盐雾性	Salt Spray Resistance	ASTM B117	超过1,000小时 Passes 1,000 hours
		5% salt fog @ 35° C	平均3.2mm (1/8") 3.2mm (1/8") av. scribe creep
		ASTM D714, ASTM D2247,	没有或少于#8水泡 None or few #8 blisters
耐湿性	Humidity Resistance	0% 相对湿度 relative humidity @ 35° C	超过1,500小时 Passes 1,500 hours
		ASTM D2244, ASTM D4214	没有或少于#8水泡 None or few #8 blisters