



HR Orange A



IR-401

热反射橙色A



HR Orange B



IR-402

热反射橙色B



HR Red Oxide



IR-200

热反射铁红色

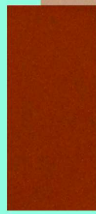


HR Light Brown



HR-201

热反射浅褐色



HR Brown



IR-202

热反射褐色

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# COLORVISTA-ECO COOL+ COLORANT

## UNIVERSAL HEAT REFLECTIVE COLORANT FOR PLANNING'S

### 涂料通用型无溶剂热反射浓缩色浆

Solutions for energy saving and green coatings  
节能环保与绿色涂料的解决方案

Technical Data Sheet  
of ColorVista-ECO Cool+ HR Brown and Orange colorants  
产品技术说明书 — 无溶剂热反射褐色与橙色色浆系列



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ANS Chemical  
Advance and Share Solutions Pte. Ltd.  
We Share We Advance

## GENERAL DESCRIPTION

Advanced near zero VOC, solventless and silicone-free universal Heat Reflective concentrated colorants for solvent base, high solid and solventless finish. It is compatible with a wide range of binders system for marine, industrial and heavy duty application. It complies with Singapore's green label system (SGLS) for environmentally friendly and green products. By just replacing the conventional colorant, it simplifies the formulation of colorful green and energy-saving heat reflective coating, making it capable of reflecting near IR ray which can generate heat. Thus, the surface temperature is lowered and the internal temperature is reduced for energy saving of air-conditioning.

先进的无溶剂通用型浓缩热反射色浆适用于海事、工业和重防腐的各种油性、高固含与无溶剂涂料系统。它含少量的挥发性有机化合物(near zero VOC)和不含硅基添加剂,符合最新的环保需求和期望的性能。它通过新加坡绿色标签计划的测试要求。具有高度耐候、耐热、耐化学品性,能有效地反射红外外光和降低涂装基体的热量吸收。只需取代传统色浆,它简化配制各系列多色彩节能环保的热反射油性、高固含与无溶剂涂料的生产工序。

## PACKING & STORAGE

12 months when store in original tightly covered container in dry condition between 5 ~ 35°C.  
收藏在干燥, 5~35°C的密闭容器里能保证12个月。

Packing Size:  
9 kg ( 2 x 9 kg per carton) 54 cartons per pallet:  
9 公斤(2 x 9公斤 / 纸箱) 54 箱 / 运货板

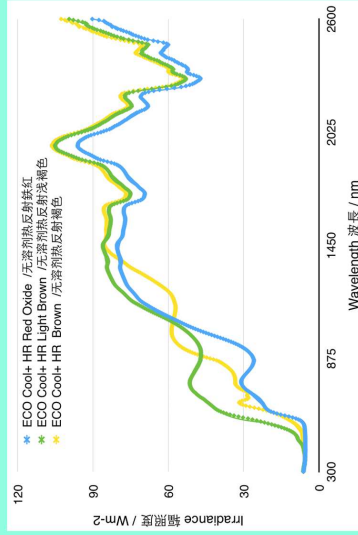
Safety:  
Please refer to our safety data sheet for more information.  
更多信息请参考安全技术说明书

## TYPICAL PROPERTIES

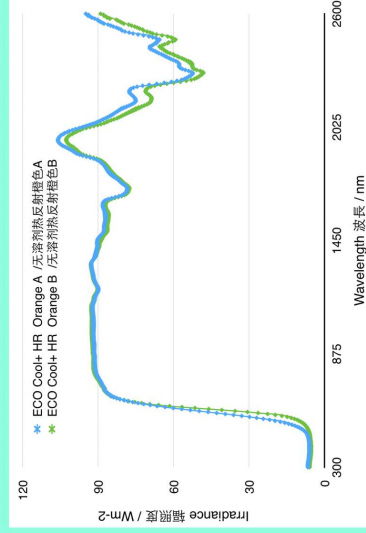
Product Name 产品名称	HR Orange A 热反射橙色A	HR Orange B 热反射橙色B	HR Light Brown 热反射浅褐色	HR Brown 热反射褐色
Product Code 产品代号	IR-401	IR-402	IR-200	IR-201
Chemical Type 化学种类	Rutile-Tin-Zinc 钛红石蓝锌粉	Rutile-Tin-Zinc 钛红石蓝锌粉	Red Iron Oxide 红氧化铁	Zinc Iron Chromite 铁铬棕
Pigment 颜料 %	~70	~60	~70	~70
Density 比重	2.30 ± 0.05	1.72 ± 0.05	2.33 ± 0.05	2.18 ± 0.05
Color Data 颜色数据	L ~62.39 a ~33.62 b ~54.24 ΔE +/- 1.00	~54.16 ~44.92 ~44.91 +/- 1.00	~37.06 ~21.77 ~15.46 +/- 1.00	~53.87 ~20.19 ~36.83 +/- 1.00
60° Gloss 光泽度	> 70			

# Maststone: Based on 30% ColorVista ECO Cool+. Universal HR Colorant in solvent based polyurethane clear.  
# 本色: 30% ColorVista ECO Cool+ 水性通用型热反射色浆于油性聚氨酯清漆面漆。基材: 白色色卡。膜厚~40微米。

Reflectance of Brown colorants (masstone)



Reflectance of Orange colorants (maststone)



## FEATURES & BENEFITS

- Compatible with wide variety of solvent-base resin, such epoxy, acrylic, vinyl, polyurethane, alkyd etc.
- High heat stability and UV resistant
- Excellent chemical and weathering properties
- Environmental friendly Lead free pigment
- Suitable for heavy duty application for accommodation-containers, storage tanks and buildings as IR/heat reflective coating in order to reduce the internal temperature and energy consumption of air-conditioning
- Extend the life span of coating due to lower surface temperature
- Reduce 'Urban Island Effect' and air pollution

- 它兼容于多种油性树脂如, 环氧树脂, 丙烯酸, 苯乙烯, 丙烯酸, 聚氨酯, 醇酸树脂和聚氨酯等
- 优良的耐候、耐热、耐化学品性
- 极好的热稳定性和抗紫外光能提高涂料寿命
- 它可简单地配制于各系列的红外线/热反射水性涂料系统以便减低储藏罐, 住宿, 集装箱, 混凝土路面, 建筑物的室内温度和减少空调能源的消耗
- 环保型无铅颜料

- 减少“热岛效应”与空气污染
- 能简化与制定各种类型的水性热反射涂层系统
- 既有一般涂料耐老化, 耐酸, 耐碱等特点, 又具有耐高强度辐射, 反射太阳光和阻隔热能传递的特性
- 它是集外墙装饰与隔热降温为一体的新型特种功能性绿色环保涂料

### Disclaimer:

The ColorVista-ECO Cool+ Colorants guarantee is limited only to the consistent quality of its products. Technical information, verbal and written suggestions and test results are offered for guidance without responsibility. No warranty of merchantability for a particular purpose is made. Users are responsible for testing our products and suggestions to ensure that they are suitable for the intended purpose and application prior to use.

### 免责声明:

ColorVista-ECO Cool+ 通用热反射色浆的保证只限于产品品质的一致性。所给予的技术说明、口头、书面建议和测试结果, 仅供参考, 不承担责任。也作为对比时特定用途的任何适航性或适用性担保。客户不能免除义务进行认真的检查与测试我们的产品, 以确保产品的适用性。