

HR-401	HR Orange A	热反射橙色A
HR-402	HR Orange B	热反射橙色B
HR-200	HR Red Oxide	热反射铁红色
HR-201	HR Light Brown	热反射浅褐色
HR-202	HR Brown	热反射褐色

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COLORVISTA-WB COOL+ COLORANT
UNIVERSAL HEAT REFLECTIVE COLORANT FOR PAINTS
涂料通用型水性热反射浓缩色浆

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-WB Cool+ HR Brown and Orange colorants
产品技术说明书 — 水性热反射褐色与橙色色浆系列

Advance and Share Solutions Pte. Ltd.
We Share We Advance
Muafakat Dan Mara Bersama
ပူးတွဲအောင်မြင်မှုများ
齊享共榮



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

GENERAL DESCRIPTION

Advanced near zero VOC and APE-free green water-borne concentrated universal Heat Reflective colorants which are compatible with a wide range of binders system for decorative, 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.

先进的水性通用型浓缩热反射色浆适用于建筑装饰和重型工业涂料。它含少量的挥发性有机化合物 (near zero VOC) 和不含烷基酚和乙氧基化合物 (APE-free) 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环保节能的热反射水性涂料的生产工序。

PACKING & STORAGE

12 months when store in original tightly covered container in dry condition between 5 ~ 35°C. Prevent freezing. 收藏在干燥，5~35 °C的紧闭容器里能保质12个月。预防冰冻

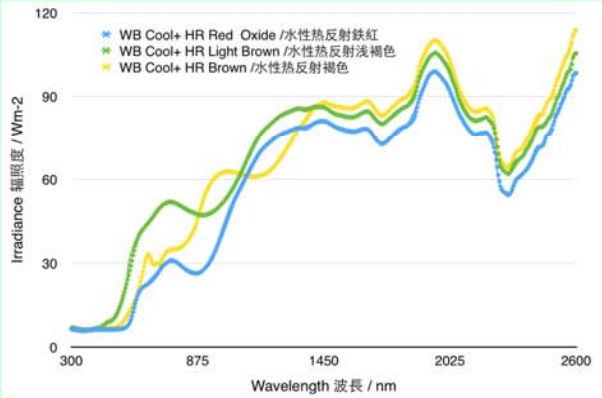
Packing Size:
9 kg (2 x 9 kg per carton) 54 cartons per pallet:
9 公斤(2 x 9公斤 / 纸箱) 54 箱 / 运货板

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

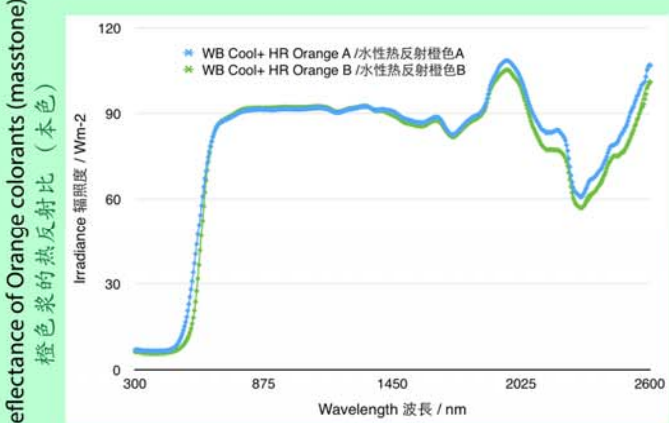
TYPICAL PROPERTIES

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 Red Brown 热反射红氧化铁	HR Light Brown 热反射浅褐	HR Brown 热反射褐色
Product Code 产品代号		IR - 401	IR - 402	IR - 200	IR - 201	IR -202
Chemical Type 化学种类		Rutile Tin Zinc 金红石型锌钛	Rutile Tin Zinc 金红石型锌钛	Red Iron Oxide 红氧化铁	Zinc Iron Chromite 铁铬棕	Zinc Iron Chromite 铁铬棕
Pigment 颜料 %	重量	~ 70	~ 60	~ 70	~ 70	~ 71
Density 比重	20°C	2.20 ± 0.05	1.73 ± 0.05	2.31 ± 0.05	2.16 ± 0.05	2.34 ± 0.05
Color Data 颜色数据	L	~ 60.97	~ 53.61	~ 36.32	~ 52.35	~ 39.86
	a	~ 34.95	~ 44.27	~ 16.84	~19.38	~ 19.65
	b	~ 52.83	~ 42.34	~ 10.09	~ 34.42	~ 18.79
	ΔE	+/- 1.00	+/- 1.00	+/- 1.00	+/- 1.00	+/- 1.00
60 ° Gloss 光泽度		无光泽				

Masstone: Based on 30% ColorVista WB Cool+ Universal HR Colorant in water based acrylic (maincote HG-54C) clear. Substrate: White Card. Dry film thickness: ~40 micron.
本色: 30% ColorVista WB Cool+ 水性通用型热反射色浆于水性丙烯酸树脂(maincote HG-54C)清色面漆。基材: 白色色卡。膜厚~40微米。



褐色素的热反射比 (本色)



橙色素的热反射比 (本色)

FEATURES & BENEFITS

- Compatible with wide variety of water-borne resin, emulsion or dispersion such as epoxy, acrylic, vinyl, polyurethane, alkyd etc.
- High heat stability and UV resistant
- Excellent chemical and weathering properties
- Environmental friendly Lead free pigment
- enhance coalescing and film formation property.
- Suitable for heavy duty application for accomodation-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

- 它兼容于多种水性树脂或乳液如，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
- 它能简易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，混泥土路面，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
- 能增加凝聚效果和成膜功效。
- 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-WB 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 tesing our products and suggestions to ensure that they are suitable for the intended purpose and application prior to use.
免控声明:
ColorVista-WB Cool+ 通用热反射色浆的保证只限于产品质量的一致性。所给予的技术说明,口头,书面建议和测试结果,只供参考,不含责任。也未作出针对特定用途的任何适销性或适用性担保。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。