

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 Yellow colorants
产品技术说明书 - 无溶剂热反射黄色色浆系列



PT Catalite Indonesia
PURI DARMO Services Residence,
Jl. Raya Kumpang Baru No. 17,
Surbaya, 60189, Indonesia
Tel: 62-31-732-3924 Fax: 62-31-732 3925
www.catalite.co.th
cataliteindonesia@gmail.com

Catalite Co., Ltd
274 Raintree Office Garden A2 Building
3rd Floor, Soi Soonwijai 4, Rama 9 Road,
Bangkapi, Huay Kwang, Bangkok
10310 Thailand
Tel: 66-2716-8572 Fax: 66-2716-8573
www.catalite.co.th | catalite@asia.com

Catalite Enterprise
F-2-16, Suite 13, IOI Boulevard
Jalan Kenari 5, Bandar Puchong Jaya
47170 Selangor, Malaysia
Tel: 603-8073 2672 Fax: 603-8073 2673
www.catalite.co.th | joelle@catalite.co.th
Scott Chemicals Australia Pty Ltd
(Incorporating DCS)
Unit 21, 296 Bay Road, Cheltenham VIC 3192
Tel: +61 1800 134 624 Fax: +61 1300 883 614
www.scottchem.biz | sales@scottchem.biz

Advance and Share Solutions Pte. Ltd
1 Kaki Bukit Avenue 6
#02-64 Autobay @ Kaki Bukit
Singapore 417883
Tel: 65-6753 53 82 Fax: 65-6749 3436
enquiry@ans-chem.com

DongBo Trading Co., Ltd.
Room 1506, The East Building of Yue Xiu
Neo-Metropolis
No. 232-258 of Zhongshan Sixth Road
Yue Xiu District, Guangzhou City
Guangzhou Province, China 510180
Tel: 020-6-8109-8660 Fax: 020-8109-8820
db@dongbotrading.com

An Fong Development Co., Ltd.
No. 29, 24th Road, Taichung Industry Zone
Taichung, Taiwan
Tel: 886-4-2350-1155 Fax: 886-4-2350-7373
www.twanfong.com | anvictor@ms45.hinet.net



Advance and Share Solutions Pte. Ltd.
We Share We Advance
Muafakat Dan Mara Bersama
മുഅഫാക് ടാൻ മാരാ ബേർസാമാ
共享共赢

HR Yellow Oxide	IR-101	热反射钛黄色
HR Lemon Yellow	IR-102	热反射柠檬黄色
HR Strong Yellow	IR-103	热反射深黄色
HR Golden Yellow	IR-104	热反射金黄色
HR Yellow	IR-105	热反射黄色
HR Light Yellow	IR-106	热反射浅黄色

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的紧闭容器里能保质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

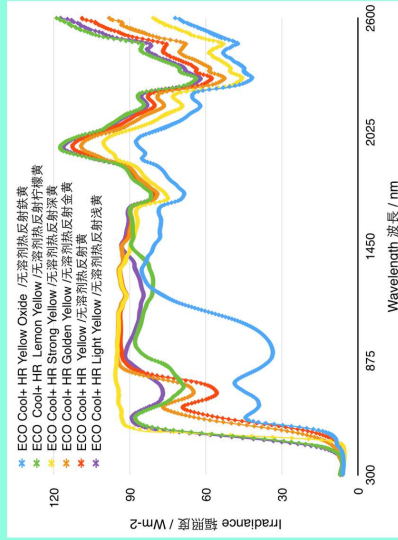
Safety:
Please refer to our safety data sheet for more information.
更多信息请参考安全技术说明书

TYPICAL PROPERTIES

Product Name 产品名称	HR Yellow Oxide 热反射钛黄	HR Lemon Yellow 热反射柠檬黄	HR Strong Yellow 热反射深黄	HR Golden Yellow 热反射金黄	HR Yellow 热反射黄	HR Light Yellow 热反射浅黄
Product Code 产品代号	IR-101	IR-102	IR-103	IR-104	IR-105	IR-106
Chemical Type 化学种类	Yellow Iron Oxide 氧化铁黄 氧化铁	Rutile Titanium Yellow 金红石钛黄	Bismuth Vanadate 钨酸铋	Rutile Chromium Antimony Titanium Buff 铁铬钛黄	Rutile Chromium Antimony Titanium Buff 铁铬钛黄	Rutile Titanium Yellow 金红石钛黄
Pigment 颜料 %	~60	~76	~61	~65	~70	~75
Density 比重	20°C 1.85 ± 0.05	2.49 ± 0.05	2.11 ± 0.05	2.00 ± 0.05	2.15 ± 0.05	2.45 ± 0.05
Color Data 颜色数据	L ~57.31 a ~17.92 b ~44.09	~85.83 ~4.43 ~58.28	~88.49 ~6.45 ~86.67	~70.53 ~19.32 ~54.36	~64.58 ~23.42 ~54.31	~87.78 ~5.87 ~56.43
ΔE	+/- 1.00	+/- 1.00	+/- 1.00	+/- 1.00	+/- 1.00	+/- 1.00
60° Gloss 光泽度	> 70					

Masstone: Based on 30% ColorVista ECO Cool+ Universal HR Colorant in solvent based polyurethane clear. Substrate: White Card. Dry film thickness: ~40 micron.
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: 白色卡片。膜厚~40微米。

Reflectance of Yellow colorants (masstone)



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
• 它能简单地配制成于各系列的红外线/热反射水性涂料系统以便减低储罐, 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:

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