

## TECHNICAL DATA

# HALOX® CW-314

*Patent Pending*

### Chemical Description 化学描述:

Calcium Phosphate Based Inhibitor 磷酸钙基防腐蚀抑制剂

### Product Description

HALOX® CW-314 is a non-toxic, heavy metal free anti-corrosive pigment designed for use in water-borne and solvent-borne protective coating systems. It is especially suited for systems where 21 CFR 175.300 approval or conformance to ANSI/NSF standards are required. HALOX® CW-314 is very effective in enhancing the infrared (IR) reflectance and thermal emissivity of elastomeric roof coatings. HALOX® CW-314 increases the total solar reflectance (TSR) while maintaining the dirt pick-up resistance (DPUR) and prevention of mildew growth. It can be used alone or in combination with other non-toxic corrosion inhibitors and mineral pigments in the formulation of environmentally friendly specialty paints.

HALOX®CW-314是一种无毒，不含重金属的防腐蚀颜料，设计用于水性和溶剂型防护涂料系统。它特别适用于需要21 CFR 175.300认证或符合ANSI / NSF标准的系统。HALOX®CW-314在提高弹性屋顶涂料的红外（IR）反射率和热发射率方面非常有效。HALOX®CW-314可提高总日光反射率（TSR），同时保持抗污染性（DPUR）并防止霉菌生长。它可以单独使用或与其他无毒腐蚀抑制剂和矿物颜料结合使用，用于配制环保型特种涂料。

**推荐用于冷屋面涂料的防腐蚀耐盐雾、隔热，具有反射功能的涂料系统中。我们提供配方和产品应用案例等。**

### Application 产品应用:

As an anti-corrosive pigment where specific approval as components of coatings used on food contact surfaces of packages in 21 CFR 175.300 is required, loading levels range from 3-8% based on total formula weight as well as for use as a corrosion inhibitor for potable water tank linings and pipe coatings which must conform to ANSI/NSF standards.

HALOX®CW-314作为一种抗腐蚀颜料，需要特别批准21 CFR 175.300中包装的食品接触表面上使用的涂料成分，添加量基于总配方重量的3-8%，并用作腐蚀抑制剂。饮用水箱衬里和管道涂料必须符合ANSI / NSF标准。

As an additive to increase the TSR of elastomeric roof coatings containing CaCO<sub>3</sub> and TiO<sub>2</sub>, recommended loading levels range from 10-30% based on total formula weight. 作为增加含有CaCO<sub>3</sub>和钛白粉TiO<sub>2</sub>的弹性屋顶涂料的TSR的添加剂，推荐的使量基于总配方重量为10-30%。

### Typical Properties

*These are typical values and do not represent product specifications:*

pH (10% slurry by wt)	7.05
Oil Absorption (lbs/100 lbs)	79.5
Density (g/ml)	2.98
D <sub>50</sub> Horiba (microns)	5.2
D <sub>90</sub> Horiba (microns)	< 15
Hegman Grind	5.5-6.0
% LOI (at 600°C)	9.8
% Moisture	1.9
Surface Area (BET, m <sup>2</sup> /g)	51
Refractive Index	1.62
Solubility in water	Negligible



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