Ethylan® CDP1480

A cost efficient wetting agent for water borne paints and coatings

A versatile wetting agent

Ethylan CDP1480 is a nonionic surfactant that offers improved color acceptance in water borne paints.

A good replacer of NP surfactants and has very low VOC content. It is easy to handle with good foam control.

Key benefits

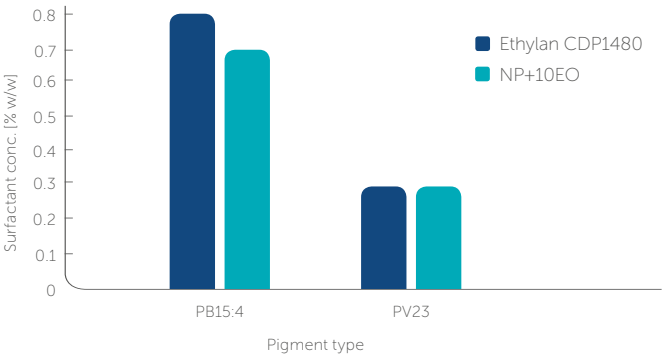
- Favorable cost in use wetting agent in water borne paint formulations
- Effective in providing good color acceptance when adding a colorant to the white base
- Capable of increasing the gloss of the paint
- Very low content of VOC
- Can be used for emulsion polymerization
- Compatible with all other surfactant types, i.e. nonionic, anionic and cationic
- Stable under alkaline and acidic conditions

Applications

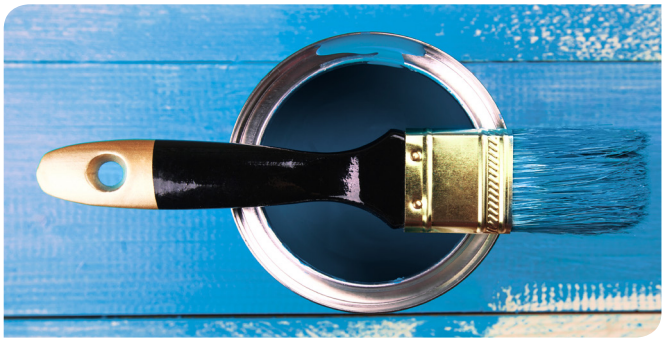
When used in a white base paint, the starting recommendation for dosage is 0.4% based on the total weight of the paint. It is normally recommended to add the Ethylan CDP1480 in the grind, to facilitate an improved wetting and distribution of the various surface active ingredients on the pigments.

Wetting performance

The wetting efficiency of Ethylan CDP1480 is at the same level as nonylphenol based wetting agents, which makes it a good replacer for NP surfactants.



Amount of surfactant needed for wetting 2.5 wt% pigment in aqueous solution. Comparison of Ethylan CDP1480 with standard nonionic surfactant NP+10 EO



Product data

Active content	80%
Appearance, 20°C	clear liquid
Color	max 100 Hazen
Cloud point (1% in 10% NaCl)	71-75°C
Pour point	9°C
Wetting power Draves, 25°C, 0.1%	156 sec

Surfactants in paint

The paint is from a surface chemistry point of view a very complex system. In order to make all these components form a stable colloidal suspension, a 'compatibilizer' is often required.

The use of a surfactant as compatibilizer facilitates the use of having multiple sourcing of polymer emulsions, colorants / pigments and rheology modifiers, as the surfactants and surface chemistry properties of these components usually differ between producers.

In the formulation of water borne paints, nonionic surfactants are often preferred. One main reason is that their action is less impacted by the presence of salts and other electrolytes, as are anionic surfactants.

Contact us directly for detailed product information and sample request.
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Nouryon

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