

Additive G50 E

Polyoxyalkenyl / carboxylate formulation

Multi metal corrosion inhibitor

Product description & benefits:

Additive G50 E is a formulation of Additive G50 and carboxylates, neutralized with TEA (Triethanolamine). This is offering two positive effects. First the carboxylates offer enhanced protection for iron & steel. Second, because of the carefully formulated premix the actual blending is much easier and convenient.

Fields of applications:

- Water borne paints & coatings.
- Temporary corrosion protection (transport or storage).
- Water borne detergents.

Application & indications for use:

1) Water borne paints & coatings:

Additive G50 E can work as long term corrosion inhibitor and as flash rust inhibitor. It can be used as sole corrosion inhibitor and also in combination with other inhibitors, like anti corrosion pigments. Here the good synergistic effects of Additive G50 become apparent.

Blending is done best by adding directly into resin / binder.

2) Temporary corrosion protection:

Compared to Additive G50, Additive G50 E is offering a better corrosion protection for iron & steel. This is an advantage since the temporary protection of iron & steel is of particular importance! Since the protective layer is extremely thin it has nearly no influence on further processes so it could remain on the surface. An extra cleaning might not be necessary.

3) Water borne detergents:

Additive G50 E is very easy to blend into aqueous alkaline detergents, offering real multi metal corrosion protection.

4) High TAC's know how:

Ask us for your dedicated applications!

Under stirring you can add Additive G50 E directly into water / water borne systems. The pH value should be alkaline, at 7.5 or higher.

For blending and recipe please take into account the water content of approx. 60 %:

Additive G50 E has a solid content of 40 % and it contains no VOC.

Recommended dosages:

Paints & coatings:	2.0 % - 4.0 %
Temp. protection:	0.5 % - 1.5 %
Detergents:	0.1 % - 1.0 %

Properties & Specs:

Appearance:	brownish liquid
Odour:	special, mild
pH (1.0 %):	6.7 – 8.7
Spec. gravity:	1.03 – 1.05

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