

Technical Leaflet

WorléeAdd 4220

Art.-No. 114010-19749

Revision: 09.05.2019

WorléeAdd 4220 is a quaternary ammonia salt solution for reducing the electrical resistance of solvent based systems.

Technical Data:

Chemical composition	quaternary ammonia salt in iso-butanol and methoxy propanol
Active substance	approx. 50%
Colour, Gardner, DIN ISO 4630	max. 10
pH-value, DIN ISO 976	slightly alkaline
Flash point, DIN EN 22719	31 °C

Application and Properties:

The addition quantity is 0.2% - 0.8%, calculated on total formulation and is depending on the following parameters:

Electrical initial resistance of the formulation.

Required electrical resistance.

Extender content.

Polarity of the used solvents.

Therefore it is necessary to do corresponding trials in order to determine the right addition quantity.

WorléeAdd 4220 is reducing the electrical resistance of solvent based coatings. WorléeAdd 4220 does not cause significant drying deceleration and has no significant negative influence on the protection against corrosion.

WorléeAdd 4220 acts as catalyst in combination with polythiols (thiol-isocyanate reaction).

Worlée.Add 4220

2

Solubility:

WorléeAdd 4220 is soluble in water, alcohols and ketones. It is partially soluble in aliphatic and aromatic hydrocarbons and esters.

Compatibility:

WorléeAdd 4220 is as far as we know compatible with all usual binders.

However, when used in 2 component PUR-formulations the possibility of a reaction with the isocyanates groups should be observed.

Shelf Life:

The storage stability of WorléeAdd 4220 in the originally closed barrel is at a storage temperature from + 5 to + 25 °C six months, counted from the day of the delivery ex works.