

Technical Leaflet

WorléeSin MK 223

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WorléeSin MK 223 is an internally plasticized maleic resin intended principally for use in high quality nitrocellulose lacquers having good "cold check" resistance and rapid solvent release.

Technical Data:

Acid value, DIN EN ISO 2114	40 - 50
Colour, Gardner, 50% in butyl acetate 98-100, DIN ISO 4630	max. 8
Flow time, 20 °C, 60% in butyl acetate 98-100, DIN EN ISO 2431	80 - 120 s
Melting point	90 - 110 °C
Delivery form	100%, in pellets and / or flakes

Application and Properties:

Because of its good compatibility with nitrocellulose, WorléeSin MK 223 is mainly used for high quality nitrocellulose lacquers. Even small quantities of WorléeSin MK 223 in these lacquers improve hardness, scratch resistance and film build. Due to its rapid solvent release, such combinations are also best suitable for modern industrial applications dried at higher temperature.

A combination of nitrocellulose, non-drying alkyds such as WorléeKyd C 640 or WorléeKyd C 641, plasticizers and of a high amount of WorléeSin MK 223 is recommended for the manufacture of dipping varnishes of high build and flexibility.

WorléeSin MK 223 is also suitable for quick drying sanding sealers without fear of reaction with basic zinc soaps.

Sustainability

The proportion of bio-based raw materials is about 78%, calculated on solids.

Compatibility:

WorléeSin MK 223 is compatible with nitrocellulose, non-drying short oil alkyds and urea formaldehyde resins. Due to the large number of different resins, a compatibility test is recommended.

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Solubility:

WorléeSin MK 223 is soluble in aromatic hydrocarbons, esters, ketones and glycol esters. It is insoluble in aliphatics and alcohols but both solvents can be used in combination with others.

Shelf Life:

The storage stability of WorléeSin MK 223 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.