

## Technical Leaflet

# WorléeSin MK 223

Art.-No. 115502-01119

Revision: 28.01.08

W'Sin 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:

Melting point, capillary method	90 - 110 °C
Acid value, DIN EN ISO 3682	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 53211-4	80 - 120 s
<b>Delivery form</b>	100%, in pellets and/or flakes

### Compatibility:

W'Sin 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.

### Solubility:

W'Sin 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.

### Application and Properties:

Because of its good compatibility with nitrocellulose, W'Sin MK 223 is mainly used for high quality nitrocellulose lacquers. Even small quantities of W'Sin 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 W'Kyd C 640 or C 641, plasticizers and of a high amount of W'Sin MK 223 is recommended for the manufacture of dipping varnishes of high build and flexibility.

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