

Technical Leaflet

WorléeDur MF 45

Art.-No. 111005-00289

Revision: 20.01.03

W´Dur MF 45 is an epoxy ester based on drying fatty acids and tung oil, mainly for anticorrosive and zinc rich primers with excellent long-term corrosion and water resistance.

Technical Data:

Content of epoxy resin	approx. 60%
Oil content	approx. 40%
Colour, 50% in xylene, Gardner, DIN ISO 4630	max. 20
Acid value, DIN EN ISO 3682	max. 6
Flowtime, 20 °C, 50% in xylene, DIN 53211-4	200 - 250 sec.
Delivery form	60% in xylene

Compatibility:

W´Dur MF 45 is compatible with some short-oil drying alkyds, such as W´Kyd L 138, SM 400, T 730 and MH 38. It is also compatible with most urea and melamine formaldehyde resins, with maleic resins and with phenolic modified rosin esters, such as W´Fen F 105 and F 130 .

Solubility:

W´Dur MF 45 is soluble in aromatic solvents, esters, ketones and glycol ethers. It has limited solubility in aliphatic hydrocarbons and higher alcohols. It is insoluble in lower alcohols.

Application and properties:

W´Dur MF 45 is a special epoxy ester for quick drying primers and top-coats with very good corrosion resistance. Air drying zinc-rich primers based on W´Dur MF 45 have very good stability, adhesion on steel and excellent long-term corrosion resistance.

W´Dur MF 45 is also used in conjunction with melamine or urea formaldehyde resins for coloured stoving primers and top-coats. The recommended ratio is 80 : 20 to 90 : 10 with melamine resins and 7 : 3 - 8 : 2 with urea resins (calculated on solids content). The best stoving temperature is 120 - 140 °C.

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Driers:

The following driers are recommended for W´Dur MF 45:

0.01 - 0.02% Co

0.05 - 0.10% Ca

calculated on 100% alkyd resin