

NECOWEL FLE 55 M

Copolymer resin emulsion
based on fish oil and linseed oil

Product properties

NECOWEL FLE 55 M is a 55 % emulsion of NECOWEL™ FLE in water containing an APEO free emulsifier system. The emulsion is free of cosolvents, VOC and SVOC. NECOWEL FLE 55 M is especially suited to formulate non-film-forming wood stains and impregnating wood protection. NECOWEL FLE 55 M does not contain any driers and therefore cobalt free or cobalt driers can be used. Recommendations are available upon request. NECOWEL FLE 55 M contains a specific raw material combination compared to the pre-siccated products from NECOWEL FLE emulsions which improves the early water resistance of the product formulation.

Impregnations and varnishes based on NECOWEL FLE 55 M show very good weather resistance and outstanding wetting and penetration properties. Therefore NECOWEL FLE 55 M exhibits excellent natural wood color intensification.

Application

- Wood impregnation
- Wood stains
- Wood varnishes

Analytical data

- Solid content: 53 – 56 %
- Oil length: approx. 80 %
- Type of oil: linseed oil / fish oil
- Viscosity: 0.4 – 1.9 Pa.s, 20 °C
- pH-value: 6.5 – 7.5
- Solvent: water

Packaging and storage

- Packaging: 180 kg drum | 900 kg IBC | tank car
- Transportation and storage: Protect from freezing
- Minimum shelf life: 6 months in closed original packaging
- Detailed health and safety information please find in the corresponding safety data sheet.

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NECOWEL FLE 55 M

Starting formulation

Code Nr.: 14116 wood impregnation based on NECOWEL FLE 55 M

Position	Produkt	Gew. %	Lieferant
A	NECOWEL FLE 55 M	40,00	ASK
B	Acticide MBS	0,05	Thor
C	Nuodex Drycoat	0,40	Rockwood
D	ASK Drier 2206	0,80	ASK
E	Borchi Oxy-coat 1101	0,40	Borchers
F	Aquacer 539	1,50	Byk
G	Demin. Wasser	56,85	
		100,00	

Mix A – G under dissolver and stir for further 10 Minutes

General view: NECOWEL FLE for wood stains

NECOWEL FLE is emulsified and adjusted to a solid content of 55 % with non-ionic emulsifiers without using cosolvents or amines. The low viscosity of the copolymer supports the good penetration into the wood fibers. The emulsions can be distinguished by the integration of certain additives and siccatives.

NECOWEL™	Add on	Siccative	Blue Stain Protection
FLE 55 CF	—	—	—
FLE 55 N	—	incorporated (Co)	—
FLE 55 LC	—	incorporated (Co / K)	—
FLE 55 FP	—	incorporated (Co / K)	incorporated (Polyphase)
FLE 55 M	faster early water resistance	—	—
FLE 55 SR	faster early water resistance and drying	—	—