



NECOWEL FLE 55 LC

Copolymer resin emulsion
based on fish oil and linseed oil

Product properties

NECOWEL FLE 55 LC is a 55 % emulsion of NECOWEL FLE in water containing an APEO free emulsifier system.

NECOWEL FLE 55 LC is especially suited to formulate non-film-forming wood stains and impregnating wood protection. NECOWEL FLE 55 LC contains driers in moderate amount. The used drier package is a combination of cobalt and potassium compounds. Usually no further driers are required only appropriate pigments and fungicides might be added, if necessary. The requested solid content is adjusted with water.

Impregnations and varnishes based on NECOWEL FLE 55 LC show very good weather resistance. Penetration and appearance are absolutely comparable with solvent based systems.

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: 2.0 – 3.5 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.



NECOWEL FLE 55 LC

Starting formulation

Code No.: 7074 wood impregnation based on NECOWEL FLE 55 LC

Position	Product	Wt. %	Supplier
A	NECOWEL FLE 55 LC	50,00	ASK
B	Tego Twin 4000	0,30	Evonik
C	Nuodex WebCombi AQ	1,00	Rockwood
D	Aquacer 539	3,00	Byk
E	Demin. Wasser	45,70	
		100,00	

Procedure Mix A - E 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	—	—