

NECOWEL FLE 55 CF

Copolymer resin emulsion
based on fish oil and linseed oil

Product properties

NECOWEL FLE 55 CF 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 CF is especially suited to formulate non-film-forming wood stains and impregnating wood protection. NECOWEL FLE 55 CF does not contain any driers or fungicides. The requested solid content is adjusted with water.

Impregnations and varnishes based on NECOWEL FLE 55 CF 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.



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Starting formulation

Code No.: 171203 wood impregnation based on NECOWEL FLE 55 CF

Position	Product	Wt. %	Supplier
A	NECOWEL FLE 55 CF	40,00	ASK
B	Acticide MBS	0,05	Thor
C	Nuodex Drycoat	0,40	Rockwood
D	ASKODRY 2216	0,80	ASK
E	Borchi Oxy-Coat 1101	0,40	Borchers
F	Aquacer 539	1,50	Byk
G	Demin. Wasser	56,85	
		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
FLE 55 CF	—	—
FLE 55 M	improved early water resistance	—
FLE 55 SR	improved early water resistance and drying	—