

NECOWEL FLE 55 SR

Copolymer resin emulsion based on linseed oil

Product properties

NECOWEL FLE 55 SR is a 55 % emulsion of a copolymer based on linseed oil in water containing an APEO free emulsifier system. The emulsion is free of VOC and SVOC.

NECOWEL FLE 55 SR is especially suited to formulate non-film-forming wood stains and impregnating wood protection. NECOWEL FLE 55 SR does not contain any driers and therefore cobalt free or cobalt driers can be used. Recommendations are available upon request.

The surface drying is enhanced due to a modified fatty acid formulation of the copolymer. NECOWEL FLE 55 SR contains a specific raw material combination which improves the early water resistance of the product formulation. Impregnations and varnishes based on NECOWEL FLE 55 SR show very good weather resistance and outstanding wetting and penetration properties. Therefore NECOWEL FLE 55 SR 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
- 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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Starting formulation

Code No.: wood impregnation based on NECOWEL FLE 55 SR

Position	Product	Wt. %	Supplier
A	NECOWEL FLE 55 SR	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. Water	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
FLE 55 CF	—	—
FLE 55 M	improved early water resistance	—
FLE 55 SR	improved early water resistance and drying	—