

NECOWEL FLE

Water emulsifiable copolymer resin based on fish oil and linseed oil

Product properties

NECOWEL FLE is a water emulsifiable copolymer resin.

In combination with non-ionic emulsifiers NECOWEL FLE can easily be emulsified without cosolvents and amines. The HLB value of 15.2 can be adjusted by appropriate emulsifiers. It is recommended to use ASK-Emulgator 5240 which is especially designed for this system. ASK Chemicals offers emulsified types of NECOWEL FLE in combination with certain sikkatives and additives.

Impregnations and varnishes based on NECOWEL FLE 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: 98 – 100 %
- Oil length: approx. 80 %
- Type of oil: linseed oil / fish oil
- Viscosity: 0.45 – 0.55 Pa.s, 25 °C

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.: 8249 wood impregnation based on NECOWEL FLE

Position	Product	Wt. %	Supplier
A	NECOWEL FLE	20,00	ASK
B	ASK Emulgator 5240	1,30	ASK
C	Borchi Oxy Coat 1101	0,20	Borchers
D	Kelzan S	0,30	Kelco
E	Demin. water	78,20	
		100,00	

Procedure

Charge A – C and mix homogeneously at 20 – 30 °C. Add premix D and E (water and Kelzan S) very slowly and under strong agitation. Homogenize with dissolver, or if available use Dispax-Reactor or Ultra Turrax.

Remarks

Alternatively, NECOWEL FLE 55 series ready emulsion are available.