

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	ASKODRY 2210	0.40	ASK
D	Polyphase P 100	0.50	Troy Chemie
E	Demin. Wasser	50.00	
F	Optigel EXM 629	27.80	Rockwood
		100.00	

Procedure

Charge A – D and mix homogeneously at 20 – 30 °C. Add component E very slowly and stir carefully. Add slowly component F (premix of water and Optigel EXM 629) and mix homogeneously. If available use Dispax-Reactor or Ultra Turrax for homogenization.

Remarks

As an alternative product NECOWEL FLE 55 FP can be used. This is an emulsified version of NECOWEL FLE which contains driers and 1 % Polyphase P 100 as fungicide.

For further information about Polyphase P 100 please contact: Troy Chemie GmbH, Wunstorfer Str. 40, D-30926 Seelze.