

NECOWEL FLE 55 LR

Copolymer resin emulsion based on linseed oil

Product properties

NECOWEL FLE 55 LR 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 LR is especially suited to formulate non-film-forming wood stains and impregnating wood protection. NECOWEL FLE 55 LR 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 LR contains a specific raw material combination which improves the early water resistance of the product formulation. Impregnations and varnishes based on NECOWEL FLE 55 LR show very good weather resistance and outstanding wetting and penetration properties. Therefore NECOWEL FLE 55 LR 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 – 2.5 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 LR

Starting formulation

Code No.: 171204 wood impregnation based on NECOWEL FLE 55 LR

| Position | Product | Wt. % | Supplier |
|----------|----------------------|---------------|----------|
| A | NECOWEL FLE 55 LR | 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 R | improved early water resistance | — |
| FLE 55 LR | improved early water resistance and drying | — |