

NECOWEL 5100

Cosolvent free, modified alkyd emulsion

Product properties

NECOWEL 5100 is a rheological and aliphatic PU modified alkyd emulsion with medium oil length. The emulsion does not contain APEO and is free of VOC and SVOC. The emulsion is neutralized with ammonia.

NECOWEL 5100 offers fast drying properties as well as weather- and yellowing resistance and high gloss.

NECOWEL 5100 is especially suited for the formulation of house and trim paints for brush application. Due to the rheological modification of the resin, lacquers based on NECOWEL 5100 exhibit an improved newtonian flow behavior. In most cases, the addition of associative thickener is unnecessary.

Application

- House and trim paints
- Top coats
- Wood lacquers

Analytical data

- Solid content: 39 – 42 %
- Oil length: approx. 35 %
- Type of oil: spec. fatty acids
- pH-value: 7 – 8
- Neutralizer: ammonia
- Solvent: water

Packaging and storage

- Packaging: 200 kg drum | 900 kg IBC | tank car
- Transportation and storage: Protect from freezing and avoid direct sun
- 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.: 170370 House paint based on NECOWEL 5100

Position	Product	Wt. %	Supplier
A	NECOWEL 5100	64.00	ASK
B	Pigment paste 14448	34.00	ASK
C	Borchi Oxy-coat 1101	0.20	Borchers
D	Byk 1710	0.30	Byk
E	Demin. Wasser	1.50	
		100.00	

Mix A - E

Code No.: 14448 Pigment paste

Position	Product	Wt. %	Supplier
A	Demin. Wasser	22.80	
B	Disperbyk 192	6.50	Bykk
C	Byk 024	0.10	Byk
D	Kronos 2310	70.00	Kronos
E	Orisil 200	0.40	Orisil
F	Acticide MBS	0.20	Thor
		100.00	

Mix A - F under stirring and disperse with dissolver or pearl to a particle size < 10µm.

Test results:

Open time: 15 min. under standard conditions

Gloss: > 80 GU (Gardner 20°)

Application: Excellent flow and brushability

Early block resistance