

NECOWEL 9076

Cosolvent free, modified alkyd emulsion medium oil length

Product properties

NECOWEL 9076 is an aliphatic PU-modified alkyd emulsion with medium oil length and very fast physical drying properties. The emulsion does not contain APEO and is free of VOC and SVOC.

NECOWEL 9076 is especially suited to formulate water-based primers and top coats. It is also used to formulate house paints with good processing properties and low yellowing tendency. In wood primers NECOWEL 9076 offers fast build-up of water barrier.

Coatings based on NECOWEL 9076 show very good weather resistance and good adhesion on different substrates.

Application

- Top coats
- House paints
- Wood primers.

Analytical data

- Solid content: 47 – 50 %
- Oil length: approx. 50 %
- Type of oil: soybean oil
- Viscosity: 2.0 – 5.0 Pa.s, 20 °C
- pH-value: 7 – 8
- Neutralizer: TEA
- 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 9076

Starting formulation

Code No.: 8486 White house paint based on NECOWEL 9076

Position	Product	Wt. %	Supplier
A	NECOWEL 9076	62,70	ASK
B	Tego Twin 4000	0,20	Evonik
C	TiO ₂ Paste 8232	35,00	
D	Tafigel Pur 41	0,60	Münzing
E	Nuodex WebCombi AQ	1,00	Rockwood
F	Tego Airex 902 W	0,50	Evonik
		100,00	

Procedure Mix position A – F in alphabetic order under stirring.

Code No.: 8232 TiO₂-Paste

Position	Product	Wt. %	Supplier
A	Demin. Wasser	18,30	
B	Tego Dispers 755 W	10,00	Evonik
C	Tego Foamex 805	1,00	Evonik
D	Kronos 2310	70,00	Kronos
E	Aerosil 200	0,50	Evonik
F	Acticide MBS	0,20	Thor
		100,00	

Procedure Mix position A – F under stirring and disperse with dissolver or pearl / sand mill.

Test results

Gloss: > 80 (Gardner 20°) Good hiding power

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Starting formulation

Code No.: 9080 wood primer based on NECOWEL 9076

Position	Product	Wt. %	Supplier
A	NECOWEL 9076	30,60	ASK
B	Tego Twin 4000	0,40	Evonik
C	Disperbyk 194	0,50	Byk
D	Kronos 2310	10,08	Kronos
E	Finntalc M30	24,03	Mondo Minerals
F	NECOWEL 9076	15,28	ASK
G	Tafigel Pur 41	0,30	Münzing
H	Nuodex Web Combi AQ	1,00	Rockwood
I	Tego Airex 902 W	0,50	Evonik
J	Demin. Wasser	17,31	
		100,00	

Procedure Disperse A – E with dissolver, complete with F – J