

KETJENFLEX® 12 in Nitrocellulose based lacquers

Nitrocellulose (NC) based systems go back a long while and continue to find great use in the wood industry. NC based lacquers are appreciated for their natural look on wood, durability, ease of use and their overall reasonable cost performance ratio.

Due to their hardness, NC resins need to be formulated using specific plasticizers. KETJENFLEX® 12 can be used as biobased plasticizing additive in NC based systems. Even at low levels, KETJENFLEX® 12 readily plasticizes the resin to ensure proper film formation, provide good gloss, stain-resistance and flexibility.

Guide recipe

Raw Material	%	Type
Hacocell H 27 in IPA 35	15	NC Resin
KETJENFLEX® 12	2	Plasticizer
Synolac 8411 DBA 70	7	Alkyd resin
Alresat®KM 313 in isobutylacetate	3	Rosin/maleic resin
Butyl acetate	15	Solvent
Ethyl acetate	28	Solvent
Toluene	Up to 100	Solvent
Total	100	

Performance

At 30-60µm DFT such NC based guide recipe provides a glossy, scratch resistance and flexible film at relatively low cost.



The formulation is low viscous clear yellow and easy to store.

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Europe, Americas, Middle East and Africa
 Axcentive SARL
 Chemin de Champouse
 13320 Bouc Bel Air, France
 Phone: +33 4 42 69 40 90
 E-mail: info@axcentive.com
 Web: www.axcentive.com

Asia, India and Australasia
 Axcentive Asia Pte Ltd
 13 Lorong 8 Toa Payoh, #07-01 Braddell Tech Park
 319261 Singapore
 Phone: +65 6258 6338
 E-mail: info@axcentive.com
 Web: www.axcentive.com