



**Ethox**

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FORMULATION FOR YELLOW 14 UNIVERSAL (RESIN FREE)  
DISPERSION USING ESPERSE 506/ESPERSE 100 BLEND

**Dispersion:**

DCC AAOT Yellow 1201*	40.00
Esperse 506	3.50
Esperse 100	1.43
Byk 022	1.00
Ammonium hydroxide	3.00
Water	<u>51.07</u>

TOTAL 100.00

Pigment loading:	40%
Total additive:	4.9%
Total VOC:	0.39%
pH (before milling):	7.14
pH (after milling):	6.88

Add liquid ingredients and mix well; add pigment in portions, mixing well after each addition to avoid clumping. Once pigment is wetted, premix at high speed for 10 minutes. Then mill using ball mill or horizontal media mill. Keep millbase temperature below 60 C.

\* Dominion Color Corp. Yellow 14 pigment – a very acidic surface treated pigment for water based systems. Less ammonium hydroxide and adjustment of the additive ratios may be necessary to optimize Yellow 14 pigments from another source (i.e. with different levels of surface acidity).

**VISCOSITY PROFILE:**

