

EPS[®] 3803

POLYESTER

DATA SHEET

Description

EPS 3803 is a high solids, polyester resin designed to provide high gloss, hardness development, excellent flow and alkali resistance. This balance of properties makes EPS 3803 an excellent choice for metal office furniture, and general metal finishes.

Specifications

<i>Weight Solids:</i>	86.0% ± 0.7
<i>Viscosity:</i>	Z3 – Z5
<i>Weight/Gallon:</i>	8.76 ± 0.10
<i>Acid Value*:</i>	10 max
<i>Color:</i>	7 max

Typical Properties

<i>Volume Solids:</i>	83.1% ± 0.7
<i>Visc. (Reduced):</i>	N/A
<i>Solvent:</i>	Xylene (14%)
<i>Oil Type:</i>	None
<i>OH Value:</i>	185 (theo)
<i>Modifier:</i>	None

*Acid value on solids

Suggested Paint Formulation

EPS 3803 WHT1 - White High Gloss Baking Enamel

rev.11-07-2014

Questions? Call EPS Technical Service @ 1-800-601-8111

The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. EPS assumes no obligation or liability for use of this information. **UNLESS EPS AGREES OTHERWISE IN WRITING, EPS MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. EPS WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option

EPS[®] 3803

SUGGESTED FORMULATION

FORMULA: EPS 3803 WHT1 (4/94)

WHITE HIGH GLOSS BAKING ENAMEL

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
16.60	2.11	Ektapro EEP		Add and premix 15 minutes.
7.80	1.15	Methyl N-Amyl Ketone		
3.60	0.27	Bentone SD-2	Elementis	
171.30	17.13	Cymel 303	Allnex	Add and grind to 7+ Hegman.
3.20	0.40	Nuosperse 657	Elementis	
410.00	12.32	R-960 Titanium dioxide	DuPont	
361.50	41.36	EPS 3803	EPS	Add under agitation
102.80	15.12	Methyl N-Amyl Ketone		
43.30	5.99	Xylene		
12.00	1.66	Aromatic 100		
4.80	0.60	Cycat 4040	Allnex	
5.50	0.73	Additive 11	Dow Corning	
<u>8.70</u>	<u>1.20</u>	Xylene		Hold to adjust viscosity.
1151.10	100.00	Totals		

Formulation Parameters

Weight Solids	78.30 %
Volume Solids	64.60 %
Pigment Weight	35.9 %
Pigment Volume Conc.	19.5 %
Pigment/Binder	0.85
VOC Level	2.50 lb/gal 299 g/l
Weight/Gallon	11.51

Typical Paint Properties

Viscosity,#3 Zahn cup	13 seconds
Dry Film Thickness	1.4 mils
Bake schedule	10 minutes @ 350°F
Pencil hardness	H
MEK Double rubs	175
Gloss at 60°/20°	95/85
Reverse Impact	60 in/lb

Suggested Application Methods

Spray

rev. 03-02-2011

Questions? Call EPS Technical Service @ 1-800-601-8111

The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. EPS assumes no obligation or liability for use of this information. **UNLESS EPS AGREES OTHERWISE IN WRITING, EPS MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. EPS WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option