

## TECHNICAL DATA SHEET

C-40801

Version: 01

Date of issue: November 2009

**Short Oil (COFA) Alkyd Resin:**  
(Based on Non-drying Fatty Acid)  
C-40801

**Delivery Form:**  
70% [Xylene]  
**Packing:**  
190kg net, ms barrel

**Applications:**  
Industrial stoving enamels  
Clear and pigmented NC lacquer based top coats for furniture and electrical appliances.  
2-Pack PU systems with aliphatic isocyanates.

**Principal properties:**

- Excellent gloss and maximum color and Gloss retention.
- Excellent Non yellowing performance in NC based lacquers and 2 pack PU.
- Excellent hardness and flexibility

**Composition:**

Oil Length	30.0%
Phthalic anhydride	41.0-43.0%
Type of fatty acid	COFA

**Dilutability:**

White spirit	limited
Xylene	complete
Butyl acetate	complete
n- Butanol	limited
Methyl Ethyl Ketone	complete

**Compatibility:**

Maleic resin	good
Nitro Cellulose	good
UF Amino resin	good
MF Amino resin	good

C-40803/S-50601	good
S-20502	limited
S 30601	limited
S-10702	limited

**Recommendations on formulation and use:**

Ingredients	%
<b>Paint A</b>	
C-40701	08.57
Dispersing Agent	00.30
TiO <sub>2</sub> (Rutile)	18.00
Xylene/ECA	03.43
Grind to 10.0 micron and then add	
Xylene	04.15
C-40701	12.85

Additive 358 N	00.30
C-40701	35.15
Xylene	17.25
<b>TOTAL</b>	<b>100.00</b>
<b>Paint B</b>	
Paint A	100.00
Desmodur L 75	039.97
DBTL(1%XL) (Optional)	000.04
<b>TOTAL</b>	<b>100.00</b>

Normally short oil alkyd resins are cured at ambient temperature either with NC soln in the ratio 75:25 or cured with melamine amino resin at elevated temperature.

**Product Specification:**

Property	Range	Unit
Viscosity, 25°C	Z6 – Z7	Ps
Colour, Gardner	03 max	-
Solids content	69.0–71.0	%
Appearance	Clear	-
Acid Value	15.0 max	mg/KOH/g

**Other product data:**

Property	Value	Unit
Sp.gr 25°C	1.02-1.03	g/m <sup>3</sup>
Flash point	appr. 24.0	°C
OH content	3.6+/- 0.3	%

**Storage guidelines:**

The resin should be stored indoor in the original, unopened and undamaged containers in a dry place at storage temperatures between 5°C and 30°C. Exposure to direct sunlight should be avoided.

**Shelf Life:**

Under the above mentioned storage the shelf life of the resin will be 9 months ex works.

**Material Safety:**

A material safety data sheet of the product is available on request.

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