



Formulation

High Performance Galvanized Metal Primer using HALOX SZP-391

<u>GRIND</u>		<u>LBS./100 GALS.</u>	<u>GRAMS/LITER</u>
Water		92.00	110.00
Butyl Cellosolve	[1]	35.00	42.00
Tamol 165A	[2]	10.00	12.00
Troysol LAC	[3]	2.00	2.40
AMP-95	[4]	3.00	3.60
Drew L-493	[5]	1.00	1.20

Add the following at high speed and disperse to a 5+ NS Hegman grind.

Y.I.O. YO-2087	[6]	50.00	60.00
HALOX SZP-391		50.00	60.00
Shieldex	[7]	25.00	30.00
Nyral 400	[8]	100.00	120.00

LETDOWN

Water		106.50	128.00
Maincote PR-71	[2]	470.00	564.00
Dibutyl Phthalate	[9]	7.00	8.40
Ammonia Hydroxide (28%)		3.00	3.60

Add grind portion under agitation and mix until uniform.
Then add the following in the order listed.

Ethanol (95%)	[9]	18.00	21.60
HALOX FLASH-X 150		5.00	6.00

Add slowly while mixing at high speed. DO NOT AERATE!

Acrysol RM 8W	[2]	12.00	14.40
Acrysol RM-1020	[2]	5.00	6.00

Mix until uniform.

TOTAL		994.50	1193.20
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FORMULA CONSTANTS

% Pigment/Wt.	22.63
% Pigment/Vol.	9.37
% Solids/Wt.	47.50
% Solids/Vol.	36.39
% PVC	25.75
VOC lbs./gal.	1.83
VOC g/l	219.19

FORMULA PROPERTIES

Density lbs./gal.	9.95
Density g/l	1193.20
pH @ R.T.	9.0-9.5
KU Visc. @ R.T.	90-95
<i>(Should not exceed a 20 KU increase after 30 days in the oven @ 55°C)</i>	
ICI (poise)	0.80-1.00

SUPPLIER KEY

- [1] Union Carbide Corp.
- [2] Rohm and Haas Co.
- [3] Troy Corp.
- [4] ANGUS Chemical Co.
- [5] Drew Chemical Co.
- [6] Elementis Pigments, Inc.
- [7] W.R. Grace & Co.
- [8] R.T. Vanderbilt Co., Inc.
- [9] Eastman Chemical Co.

The information contained herein is correct to the best of our knowledge, but is intended only as a source of information. The recommendations or suggestions herein are made without guarantee of representation as to results, and we suggest that you evaluate the recommendations contained in this formulation in your own laboratory prior to use.

PR71/391GM

SAH-121598

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