

## 300-T-805 / 300-T-808W / 300-T-809W / 300-T-8100 / 300-T-8101

### DESCRIPTION

The 300-T-805, 300-T-808W, 300-T-809W, 300-T-8100 and 300-T-8101 are pre-promoted, NPG / isophthalic clear gel coat developed for the cultured marble industry.

### FEATURES AND BENEFITS

- Reduced in box yellowing.
- Sagging and porosity resistance.
- Meets all requirements of ANSI Z124.1, .2 -1995, Sec. 6.1.1.
- Good viscosity / thixotropy balance
- High clarity.
- The color is effectively controlled through the most modern electronic
- Instrumentation.
- The 300-T-808w and 300-T-809w are HAPS.

### APPLICATIONS

- Manufacture of countertops, shower stalls, tabletops and vanities.

### TYPICAL LIQUID PROPERTIES

Property	Units	300-T-805	300-T-808W	300-T-809W	300-T-8100	300-T-8101	Test Method
Brookfield viscosity <sup>2</sup>	Cps.	2000 - 2500					TARQ - 300
Thixotropic index <sup>3</sup>	-----	4 - 6		5 - 7		4 - 6	TARQ - 300
Gel time	Minutes	6 - 8 <sup>4</sup>	4 - 6 <sup>1</sup>	5 - 7 <sup>4</sup>	3 - 5 <sup>5</sup>	3 - 5 <sup>4</sup>	TARQ - 400
Gel time to peak	Minutes	6 - 9	7 - 12	6 - 9		5 - 7	TARQ - 400
Exotherm temp.	°C	170 - 200	180 - 210		190 - 210		TARQ - 400
Color "L"	-----			87 min.			TARQ - 592
Color "a"	-----			-0.6 - 0.1			TARQ - 592
Color "b"	-----			1 - 3.5			TARQ - 592
HAPS (Styrene)	%	-----	39 max.	40.2 max.		-----	Calculated

<sup>1</sup> 1.5% Butanox M-50a @25°C; <sup>2</sup> LVDV-E, spindle # 4, 60 rpm @25°C; <sup>3</sup> LVDV-E, spindle # 4, 6 / 60 rpm @25°C;

<sup>4</sup> 2% Luperox DDM-9@25°C; <sup>5</sup> 2% Butanox M-50a @25°C.

NOTE: Tests results compared with the reported in certificate can be affected due to: batch age, temperature, moisture, type and amount of catalyst, testing equipment and method.

## RECOMMENDATIONS

- 1.- The catalyst level should not exceed 2.8% or fall below 1% for proper cure.
- 2.- These products should not be used when temperature conditions are below 16°C, as curing and handling may be adversely affected.
- 3.- Before use:
  - Mix once a day for 10 minutes, starting from the edges towards the center of the drum with the least possible turbulence.
  - Avoid air assistance, this is not effective and may cause water or oil contamination.
  - Avoid over-mixing, due to potential filler separation and increased tendencies to sag.
- 4.- Film should be sprayed in at least three passes, for a total film thickness of 18 to 22 mils (wet).  
NOTE: Films less than 12 mils may not cure properly; films above 24 mils may pre-release, generate porosity or cracks.
- 5.- Brushing is not recommended, because it causes uneven thickness.
- 6.- Do not add any material different to the catalyst recommended for these products.
- 7.- Do not mix organic peroxides with metallic soaps, amines or any type of accelerators or promoters, because it can result on violent decomposition with fire or explosion.
- 8.- Any additional questions, please contact your Reacciones Químicas SA de CV sales representative.

## STORAGE

Uncatalyzed 300-T-805, 300-T-808W, 300-T-809W, 300-T-8100 and 300-T-8101 gel coats, have a usage life of 45 days from invoice date, when stored at 25°C or below, in closed, opaque, factory sealed containers, and out of direct sunlight, heat sources or moisture. If ordered in IBC totes, shelf life is only 30 days when stored at 25°C or below, in closed, factory sealed containers, and out of direct sunlight, heat sources or moisture. For every 7°C increase in storage temperature, the shelf life is reduced by one half.

## SAFETY AND HANDLING

Detailed information for safe handling of 300-T-805, 300-T-808W, 300-T-809W, 300-T-8100 and 300-T-8101 gel coats, can be found on its SDS. For more information, please contact your Reacciones Químicas SA de CV sales representative.

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