

## 100-B-015 / 100-B-111 / 100-B-125 / 100-B-126

### DESCRIPTION

The 100-B-015, 100-B-111, 100-B-125 and 100-B-126 are pre-promoted, orthophthalic, white gel coat developed for the cultured marble industry.

### FEATURES AND BENEFITS

- Fast cycle of curing.
- Sagging resistance.
- Meets all requirements of ANSI Z124.1, .2 -1995, Sec. 6.1.1.
- Good viscosity / thixotropy balance

### APPLICATIONS

- Manufacture of countertops, tabletops and vanities.

### TYPICAL LIQUID PROPERTIES

Property	Units	100-B-015	100-B-111	100-B-125	100-B-126	Test Method
Non volatile matter	%	67 - 71	67 - 73	67 - 71	67 - 73	TARQ - 500
Brookfield viscosity <sup>2</sup>	Cps.	3000-3800	2800-3300	3000-3800		TARQ - 300
Thixotropic index <sup>3</sup>	—	5.5 - 7				TARQ - 300
Gel time	Minutes	6 - 8 <sup>1</sup>	15 - 20 <sup>4</sup>	6 - 8 <sup>1</sup>		TARQ - 400
Gel time to peak exotherm	Minutes	6 - 9	Report	6 - 9		TARQ - 400
Exotherm temp.	°C	180 max.	Report	180 max.		TARQ - 400
Color DE	—	—	—	—	1 max.	TARQ - 590

<sup>1</sup> 2% Luperox DDM-9 @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% Butanox M-50 @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 100-B-015, 100-B-111, 100-B-125 and 100-B-126, have a usage life of 30 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 20 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 100-B-015, 100-B-111, 100-B-125 and 100-B-126, can be found on its SDS. For more information, please contact your Reacciones Químicas SA de CV sales representative.

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