

300-G-306 / 300-S-120

DESCRIPTION

The 300-G-306 and 300-S-120 are pre-promoted, NPG / isophthalic gel coat developed for the cultured marble industry, where very good resistance to weathering is required.

FEATURES AND BENEFITS

- Reduced in box yellowing.
- Good viscosity / thixotropy balance
- The color is effectively controlled through the most modern electronic instrumentation.
- Color stability outdoors.
- 300-G-306 is gray and 300-S-120 is beige.

APPLICATIONS

- Manufacture of vanities, tabletops, columns and facades.

TYPICAL LIQUID PROPERTIES

Property	Units	300-G-306	300-S-120	Test Method
Non volatile matter	%	60 - 65	62 - 66	TARQ – 500
Brookfield viscosity ²	Cps.	2400-2800	2400-2800	TARQ – 300
Thixotropic index ³	-----	4 - 6	4 - 6	TARQ – 300
Gel time ¹	Minutes	8 – 12	8 – 12	TARQ – 400
Cure time	Minutes	-----	-----	TARQ – 400
Gel time to peak	Minutes	60 max.	Report	TARQ – 400
Exotherm temp.	°C	180 max.	155 - 175	TARQ – 400
Color DE	-----	1 max.		TARQ – 590
Color DL	-----	-0.3 – 0.3	1 max.	TARQ – 590

¹ 2% Butanox M-50 @25°C; ² LVDV-E, spindle # 4, 60 rpm @25°C; ³ LVDV-E, spindle # 4, 6 / 60 rpm @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-G-306 and 300-S-120 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-G-306 and 300-S-120 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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