



**No.21403**  
**PBT60018**

## FIRST PIECE REPORT

Av. Circuito de la Industria Sur 284, Parque Industrial Lerma, C.P. 52000, México, Phone: +(722) 2627000, Fax+(722)2827024 www.vitracoat.com\*Email:sales@vitracoat.com

PRODUCT: **AVANTE AM 21403 POL (U99069737)**  
 CUSTOMER: **ACUITY BRANDS LIGHTING**  
 CHEMISTRY: **POLYESTER TGIC**  
 DATE: **MARCH 07TH, 2011**

	METHOD (*)	SPECIFICATION	RESULTS
<b>POWDER PROPERTIES</b>			
MELTING POINT	ASTM D-3451 (19)	167-194°F	188.6°F
GEL TIME(@400±2°F)	ASTM D-4217	100-120 SEC.	112 SEC.
SPECIFIC GRAVITY (gr/ cm <sup>3</sup> )	ASTM D-5965 (B)	1.85-1.95	1.89
<b>PARTICLE SIZE</b>			
D(0.5) PARTICLE SIZE(***)	ASTM D-3451 (11.1, 11.2)	27-30 um	27 um
<b>FILM CHARACTERISTICS</b>			
SUBSTRATE		CRS 24-GAUGE	CRS 24-GAUGE
CURE SCHEDULE		400±6°F-15 MIN.	400°F-15 MIN.
FILM THICKNESS	ASTM D-1186	2.0-3.0 MIL.	2.8 MIL.
GLOSS @ 60°	ASTM D-523	10-20%	14%
ADHESION	ASTM D-3359 (B)	5B	5B
FLEXIBILITY MANDREL	ASTM D-522 (A)	4-32% ELONG.	32% ELONG.
PENCIL HARDNESS	ASTM D-3363	2H	2H
INDIRECT IMPACT	ASTM D-2794	80"/ LB	80"/ LB
SOLVENT RESISTANCE	ASTM D-5402	25-100 DOUBLE RUBS	25 DOUBLE RUBS
SALT SPRAY FOG (**)	ASTM B-117	N.A.	N.A.
U.V. RESISTANCE	ASTM G-154	N.A.	N.A.

REMARKS:

REVIEWED BY:

ING. ALEJANDRO GONZALEZ  
QUALITY MANAGER

(\*) AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)  
 (\*\*) B 1000 Q PANEL  
 (\*\*\*) THE PARTICLE SIZE REPORTED IS ONLY FOR THE SAMPLE, IT CAN BE MODIFIED FOR GIVING THE BEST VALUES TO THE CUSTOMER.