

TECHNICAL SPECIFICATIONS

Item Name	Bordado (BO)
Yarn Composition	100% BCF Nylon
Tufted Construction	Multi-level loop Scroll Tip Shear
Width	12'-6" (3.81M)
Primary Backing	Woven Polypropylene
Secondary Backing	Action Back
Tufting Pile Weight	±1,220 g./m ² (36 oz. Yd ²)
Tufting Pile Height	± 1/4" High - 3/16" Med - 1/16" Low
Gauge	1/10 "
Stitch Rate	13 inches per inch
Pattern Repeat	10" x 10"
Flammability	ASTM E648-03 / NFPA 253
Origin	U.S.A.



TEST REPORT

TEST NUMBER: 103369

CLIENT:	
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TEST METHOD CONDUCTED	ASTM E648-03 Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using A Radiant Heat Energy Source, also referenced as NFPA 253 and FTM Standard 372
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	978
COLOR	0446
ROLL	21597682
CONSTRUCTION	Multi-Level Cut & Loop Pile
FIBER	---
BACKING	Action Bac
REFERENCE	

GENERAL PRINCIPLE

This procedure is designed to measure the critical radiant flux at flame out of horizontally mounted floor covering systems exposed to a flaming ignition in a test chamber which provides a graded radiant heat energy environment. The imposed radiant flux simulates the thermal radiation levels likely to impinge on the floors of a building whose upper surfaces are heated by flames from a fully developed fire in an adjacent room or compartment. The test result is an average critical radiant flux (watts/square cm) which indicates the level of radiant heat energy required to sustain flame propagation in the flooring system once it has been ignited. A minimum of three test specimens are tested and the results are averaged. Theoretically, if a room fire does not impose a radiant flux that exceeds this critical level on a corridor floor covering system, flame spread will not occur.

The NFPA Life Safety Code 101 specifies as Class 1 Critical Radiant Flux of .45 watts/sq cm or higher and Class 2 Critical Radiant Flux as .22 - .44 watts/sq cm.

FLOORING SYSTEM ASSEMBLY			
SUBSTRATE	Mineral-Fiber/Cement Board	UNDERLAYMENT	Direct Glue Down
ADHESIVE	Advanced Adhesive 275	CONDITIONING	Minimum of 96 hours at 70 ± 5° F and 50 ± 5% relative humidity

	Distance Burned	Time to Flame Out	Critical Radiant Flux*
Specimen 1	27 cm	40 minutes	0.71 watts/square cm
Specimen 2	30 cm	17 minutes	0.67 watts/square cm
Specimen 3	22 cm	29 minutes	0.80 watts/square cm

Average Critical Radiant Flux	0.73 Watts/Square Cm
Standard Deviation	0.07 Watts/Square Cm
Coefficient of Variation	9.16 %

* NOTE: Meets or exceeds Class 1 rating as specified in NFPA Life Safety Code 101.

APPROVED BY:

Gary Colburn

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