## SMI, Inc. 12219 SW 131 Avenue Phone: (305) 971-7047 Miami, Florida 33186-6401 USA Fax: (305) 971-7048 05-Jan-2015 Date: Attn: Jutta Zimmerman Ropimex R. Opel GmbH SMI/REF: 1410-213 Bildstocker Strasse 12 66538 Neunkirchen Germany BACOBAN (received 17 November 2014) Product: Page 1 of 5 Dilution: As received Boeing D6-7127 Rev P incorporating PDD 6-8 (21 June 12) CLEANING INTERIORS OF COMMERCIAL TRANSPORT AIRCRAFT Category: Disinfectants Sandwich Corrosion Conforms 11.3.1 Immersion Corrosion Test Conforms 1132 11.3.3 Rubber Test Conforms Conforms 11.3.4 Sealant Test Painted Surface Test Conforms 11.3.5

Conforms

Conforms

Conforms

Conforms

Conforms

Informational

Respectfully submitted,

11.3.6

11.3.7

11.3.8

11.3.9

11.3.10

11.3.11

Tedlar Surface Test

Vinyl Surface Test

Flash Point Test

Fabric and Carpet Test

Leather and Naugahyde Test

Polycarbonate Crazing Test

Patricia D. Viani, SMI Inc.

Client:

Ropimex R. Opel GmbH

Product:

**BACOBAN** 

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Sandwich Corrosion Test: Corrosion in excess of that on the control panel 11.3.1 constitutes failure when tested in accordance with Section 12.1.

	Clad 7075-T6 Aluminum (AMS 4049)	Bare 7075-T6 Aluminum (AMS 4045) anodized per Mil-A-8625 Type I
PRODUCT	1	1
Control	1	1

Result	Conforms	
Result	Comonis	

Immersion Corrosion Test: The average weight change of each test 11.3.2 specimen shall not exceed ± 10 mg in a 24 hour immersion period when tested in accordance with Section 12.2.

	PRODUCT (mg loss per 1"x2" panel)	RESULT
Clad 2024-T3 Aluminum (QQ-A-250/5)	0.3	PASS
Bare 2024-T3 Aluminum (QQ-A-250/4) alodined per MIL-C-5541	+ 0.7	PASS
Bare 2024-T3 Aluminum (QQ-A-250/4) anodized per MIL-A-8625 Ty I	0.1	PASS
Bare 7178-T6 Aluminum (QQ-A-250/14) anodized per MIL-A-8625 Ty I	+ 3.8	PASS

Result	Conforms

Rubber Test: Changes in properties shall not exceed the following, when 11.3.3 tested in accordance with Section 12.3:

PROPERTY	MAX. CHANGE ALLOWED	PRODUCT
Tensile Strength	25 % loss	< 1%
Elongation	25 % loss	< 1%
Volume	<u>+</u> 15% change	< 1%

24 hour im	mersion a	at room	temperat	ure
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Result	Conforms	

Client: Product:	Ropimex R. ( BACOBAN	Opel GmbH			Date SMI/	: REF:	05-Jan-2 1410-213	
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in a Sea Wat	ccordance with lant: BMS 5-95 er control on S ifting or loss o	Sealant BMS 5-9 f adhesion whe	)5: en pried	d away i	from ed	ge		sted
	PRODUCT:	Sealant did no	t lift at	the edg Res			orms	
7c.,	the following is  a. Paint hardne b. Greate lication method	film hardness	shall color ch 5.2(b)	not de	crease staining	more constit	than 2 p utes test fa	encil
					sult		nforms	

b.

Application method: paragraph 12.6.2(b)

Scratching of exposed specimens constitutes test failure.

Greater than minimal color change or staining constitutes test failure.

Result

Conforms

PRODUCT: No scratching, color change, or staining of specimens.

Client:

Ropimex R. Opel GmbH

Product:

BACOBAN

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- 11.3.7 Vinyl Surface Test: When tested in accordance with Section 12.7 and Section 7c., the following is required:
  - a. Cracking, or brittleness of exposed specimens constitutes test failure.
  - b. Greater than minimal color change or staining constitutes test failure.

Application method: paragraph 12.7.2(b)

## PRODUCT: No scratching, color change, or staining of specimens.

Dogult	Conformo	
Result	Conforms	

11.3.8 Fabric and Carpet Test: When tested in accordance with Section 12.8 and Section 7c., the following is required:

Application method: paragraph 12.8.2(b)

## **Upholstery:**

Greater than minimal color change or staining constitutes test failure. No color change or staining

Result Conforms

Flammability: maximum values: b.

PROPERTY	MAXIMUM VALUE	PRODUCT
Extinguishing Time	15 seconds	14 seconds
Burn Length	8 inches	6 inches
Drip Extinguish Time	5 seconds	5 seconds

Conforms Result

## Carpet:

Greater than minimal color change or staining constitutes test failure. a. No color change or staining

Conforms Result

Flammability: maximum values:

PROPERTY	MAXIMUM VALUE	PRODUCT
Extinguishing Time	15 seconds	< 3 seconds
Burn Length	8 inches	4 inches
Drip Extinguish Time	5 seconds	< 3 seconds

Result	Conforms	
1 (Count	Odilidilid	

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11.3.9 <u>Leath</u>	ner and	d Naugahyde Test: W , the following is requi				ection 12.9 and	
Appli	ication	method: paragraph 1	2.9.2(b)				
Leati	her:						
	a.	Scratching or brittle	the state of the s				
	b.	Greater than minim	ng or brittlenes al color change o ange or staining	or staining			
			R	esult	Cor	nforms	
Naud	gahyde	e:					
	a.						
	b.	Greater than minim		or staining			
			R	esult	Cor	nforms	
		nt Test: All cleaning of otection Engineering					
		PRODUCT: No fla	ash observed to	212°F.			
			R	esult	Infor	mational	
11.3.11	shee	Polycarbonate Crazing Test: Any cracking or crazing of the polycarbonate sheet constitutes failure, when tested in accordance with Section 12.11. (Strain = 0.008; 10 minute exposure)					
	LEX	(AN 9600:	PRODUCT: No	crackin	g or cra	azing	
	ВМ	BMS8-400 BAC 70913: PRODUCT: No cracking or crazing					
			R	Result	Co	onforms	