12219 SW 131 Avenue Phone: (305) 971-7047 (305) 971-7048 Fax: Miami, Florida 33186-6401 USA Date: 26-Jan-2015 Attn: Joe Drake DeCon7 Systems, LLC 1410-264AB SMI/REF: 7575 E Redfield Rd. Suite 235 Scottsdale, AZ 85260 A – DECON 7 PART 1 (received 12 December 2014) Product: B – DECON 7 PART 2 (received 12 December 2014) 50/50 (50% PART 1 mixed with 50% PART 2) Dilution: Page 1 of 5 Boeing D6-7127 Rev P incorporating PDD 6-8 (21 June 12) CLEANING INTERIORS OF COMMERCIAL TRANSPORT AIRCRAFT Category: Disinfectants Sandwich Corrosion Does not conform 11.3.1 Does not conform **Immersion Corrosion Test** 11.3.2 **Rubber Test** Conforms 11.3.3 Conforms Sealant Test 11.3.4 Conforms 11.3.5 Painted Surface Test Conforms **Tedlar Surface Test** 11.3.6 Conforms Vinyl Surface Test 11.3.7

Respectfully submitted,

Fabric and Carpet Test

Flash Point Test

Leather and Naugahyde Test

Polycarbonate Crazing Test

11.3.8

11.3.9

11.3.10

11.3.11

Patricia D. Viani, SMI Inc.

Conforms

Conforms

Informational

Does not conform

Client:

DeCon7 Systems, LLC

Date:

26-Jan-2015

Product:

A - DECON 7 PART 1 / B - DECON 7 PART 2

Dilution:

50/50 (50% PART 1 mixed with 50% PART 2) SMI/REF:

1410-264AB

Boeing D6-7127

Page 2 of 5

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

Clad 7075-T6 Aluminum Bare 7075-T6 Aluminum (AMS 404 anodized per Mil-A-8625 Type I			
PRODUCT	4*	4*	
Control	1	1	

Result *Does not conform

11.3.2 <u>Immersion Corrosion Test</u>: The average weight change of each test specimen shall not exceed <u>+</u> 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)	+ 1.6	PASS
Bare 2024-T3 Aluminum (QQ-A-250/4) alodined per MIL-C-5541	3.0	PASS
Bare 2024-T3 Aluminum (QQ-A-250/4) anodized per MIL-A-8625 Ty I	+ 6.2	PASS
Bare 7178-T6 Aluminum (QQ-A-250/14) anodized per MIL-A-8625 Ty I	+ 16.4*	FAIL

Result *Does not conform

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

PROPERTY	MAX. CHANGE ALLOWED	PRODUCT	
Tensile Strength	25 % loss	< 5%	
Elongation	25 % loss	15%	
Volume	<u>+</u> 15% change	< 5%	

24	hour	imme	rsion	at .	room	temper	rature
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Client: Product:	DeCon7 Sys	stems, LLC 7 PART 1 / B –	DECON 7	PART 2	Date:	26-Jan-2015
Dilution: Boeing D6-7	50/50 (50%	PART 1 mixed w				
in acc	ant Test: The cordance with nt: BMS 5-95	sealant shall no Section 12.4 <i>. (I</i>	t lift at the mmersion	edges o time 70	r lose adhe <u>+</u> 2 <i>hour</i> s a	sion when tested at 120°F <u>+</u> 5°F)
		Sealant BMS 5- of adhesion who		away fro	m edge	
	PRODUCT:	Sealant did no	t lift at the	e edges	or lose ad	lhesion.
				Result	tC	onforms
7c., tl	ne following is a. Paint hardr b. Great	est: When testeds required: film hardness resses. fer than minimal of the paragraph 12.5	shall no	ot decre	ease more	than 2 penc
	PRODUCT:	Paint film hard Color change:		pencil h	ardness ch	nange
				Resul	tC	onforms
	e following is a. Scrat	t: When tested required: ching of exposed er than minimal o	d specime	ns const	itutes test f	ailure.

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

Result___

Conforms

Application method: paragraph 12.6.2(b)

Client:

DeCon7 Systems, LLC

Date:

26-Jan-2015

1410-264AB

Product:

A - DECON 7 PART 1 / B - DECON 7 PART 2

Dilution:

50/50 (50% PART 1 mixed with 50% PART 2) SMI/REF:

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Boeing D6-7127

- Page 4 of 5
- 11.3.7 <u>Vinyl Surface Test</u>: 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.

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

Application method: paragraph 12.8.2(b)

Upholstery:

a. Greater than minimal color change or staining constitutes test failure.

No color change or staining

Result	Conforms
704 V	

b. Flammability: maximum values:

PROPERTY	MAXIMUM VALUE	PRODUCT
Extinguishing Time	15 seconds	12 seconds
Burn Length	8 inches	6 inches
Drip Extinguish Time	5 seconds	5 seconds

Result Conforms

Carpet:

a. Greater than minimal color change or staining constitutes test failure.

No color change or staining

Result Conforms

b. Flammability: maximum values:

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

Result	Conforms
I VOSUIL	OULIOITIS

26			
Client:	DeCon7 Systems, LLC	Date:	26-Jan-2015
Product: Dilution: Boeing D6-7	A – DECON 7 PART 1 / B – DECON 7 PART 2 50/50 (50% PART 1 mixed with 50% PART 2) 127		1410-264AB
	er and Naugahyde Test: When tested in according 7c., the following is required:	lance with Se	ection 12.9 and
Applic	ation method: paragraph 12.9.2(b)		
Leathe a. b.	er: Scratching or brittleness of exposed specimen No cracking or brittleness of ex Greater than minimal color change or staining Gray Scale Grade 5 (No perceiv contrast between original mate	kposed spec constitutes te red difference	cimen. est failure. ce in color or
	Resul	t Con	forms
Nauga a. b.	hyde: Scratching or brittleness of exposed specimen No cracking or brittleness of ex Greater than minimal color change or staining Gray Scale Grade 4.5 (Slight di contrast between original mate	cposed spec constitutes te fference in c	cimen. est failure. color or
	Result	tCor	forms
	n Point Test: All cleaning candidates having a fire Protection Engineering before they can be every	•	
	PRODUCT: No flash to IBP (initial bo	iling point =	= 94°F).
	Resul	tInfor	mational
11.3.11	Polycarbonate Crazing Test: Any cracking or on sheet constitutes failure, when tested in accord (Strain = 0.008; 10 minute exposure)	_	•

LEXAN 9600:

PRODUCT: Visible cracking

BMS8-400 BAC 70913: PRODUCT: Visible cracking

Result Does not conform