



# Architectural Specification

## **Product: Everlam™ LAM50**

Polyvinylbutyral Interlayer

Prepared for

**NEDEX**

This document contains the specification sheets for the following products:

Specification sheet	Revision #	Thickness	Color	Width
LAM51H	0	0.38mm	<ul style="list-style-type: none"><li>• Clear (NC-10)</li><li>• Translucent White (0216500)</li><li>• Soft White (0218000)</li><li>• Colors</li></ul>	< 321cm
LAM52D	0	0.76mm	<ul style="list-style-type: none"><li>• Clear (NC-10)</li><li>• Translucent White (0216500)</li><li>• Soft White (0218000)</li><li>• Colors</li></ul>	< 321cm
LAM54J	0	1.52mm	<ul style="list-style-type: none"><li>• Clear (NC-10)</li><li>• Colors</li></ul>	< 321cm

*Everlam™ is a trademark of Everlam for its Polyvinyl Butyral Interlayer*

**EVERLAM™ Architectural SPECIFICATION**  
Document revision

Date	Specification sheet changed	Type of change	Spec. sheet Version
July 2015	All	Change Product Name & Test Methods Nomenclature	B50 Ver 1.0 rev 08/14

These specifications were agreed upon by:

**For NEDEX:**

Name :

Title:

Date:

**For Everlam:**

Name: L. MOEYERSONS



Title: Technical Programs Manager

Date: 14/08/2015

**EVERLAM™ ARCHITECTURAL SPECIFICATION**  
**Specification Sheet LAM51H**

<b>Everlam™ Type Narrow Architectural 0.38mm</b>	
<b>Product codes:</b>	<b>LAM51H</b>
<b>Colors:</b>	<b>Clear (NC010), Translucent White (0216500), Soft White (0218000), Colors</b>
<b>Width:</b>	<b>Less than 321 cm</b>
<b>Chemical description</b>	Polyvinylbutyral plasticized with triethyleneglycol di-2-ethylhexanoate

Characteristics	Unit	Min. value	Max. value	Method
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**A. Chemical**

Moisture content of sheet	%	0.35	0.55	AAW 4.10
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**B. Physical**

Thickness	mm	0.36	0.42	AAW 2.14
Transverse caliper variation	mm			AAW 2.14
over 2.5 cm		-	0.015	
over 5.0 cm		-	0.020	
over 90 cm		-	0.040	
Surface roughness Rz (ISO)	μ	25	41	UL-2730
Normalized adhesion (CSI <sub>n</sub> )		0.67	1.33	UL-2110
Roll width tolerance	mm	0	23	BUT-2.21
Roll length tolerance	M	0.0	1.0	BUT-2.22
Shrinkage @ 20°C	%	-	5	UL-2725
Shrinkage @ 71°C	%	-	17	UL-2720
Contamination (per 225 running meter of Everlam™)	#			AAW 4.13
Class I		-	0	
Class II				
width < 165 cm		-	3	
width ≥ 165 cm		-	6	

**C. Visual**

Color (Yellowness Index)	#	-	16	UL-2650
Instrumental haze	%	-	0.6	UL-2690
Light transmittance in	%			UL-2500
NC010		88.0	-	
0216500 Translucent White		62.0	68.0	
0218000 Soft White		72.0	86.0	
U.V. Transmittance	%	-	2.0	UL-2850 (ISO-9050)

**EVERLAM™ ARCHITECTURAL SPECIFICATION**  
**Specification Sheet LAM52D**

<b>Everlam™ Type Narrow Architectural 0.76mm</b>	
<b>Product codes:</b>	<b>LAM52D</b>
<b>Colors:</b>	<b>Clear (NC010), Translucent White (0216500), Soft White (0218000), Colors</b>
<b>Width:</b>	<b>Less than 321 cm</b>
<b>Chemical description</b>	Polyvinylbutyral plasticized with triethyleneglycol di-2-ethylhexanoate

Characteristics	Unit	Min. value	Max. value	Method
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**A. Chemical**

Moisture content of sheet	%	0.35	0.55	AAW 4.10
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**B. Physical**

Thickness	Mm	0.74	0.80	AAW 2.14
Transverse caliper variation	Mm			AAW 2.14
over 2.5 cm		-	0.015	
over 5.0 cm		-	0.020	
over 90 cm		-	0.040	
Surface roughness Rz (ISO)	μ			UL-2730
NC010 clear		28	42	
0216500 Translucent White		28	48	
0218000 Soft White		28	48	
Normalized adhesion (CSI <sub>n</sub> )		0.67	1.33	UL-2110
Roll width tolerance	Mm	0	23	BUT-2.21
Roll length tolerance	M	0.0	1.0	BUT-2.22
Shrinkage @ 20°C	%	-	2.5	UL-2725
Shrinkage @ 71°C	%	-	8	UL-2720
Contamination (per 225 running meter of Everlam™)	#			AAW 4.13
Class I		-	0	
Class II				
width < 165 cm		-	3	
width ≥ 165 cm		-	6	

**C. Visual**

Color (Yellowness Index)	#	-	16	UL-2650
Instrumental haze	%	-	0.6	UL-2690
Light transmittance in	%			UL-2500
NC010 clear		88.0	-	
0216500 Translucent White		62.0	68.0	
0218000 Soft White		72.0	86.0	
U.V. Transmittance	%	-	2.0	UL-2850 (ISO-9050)

**EVERLAM™ ARCHITECTURAL SPECIFICATION**  
**Specification Sheet LAM54J**

<b>Everlam™ Type Narrow Architectural 1.52mm</b>	
<b>Product codes:</b>	<b>LAM54J</b>
<b>Colors:</b>	<b>Clear (NC010)</b>
<b>Width:</b>	<b>Less than 321 cm</b>

**Chemical description** Polyvinylbutyral plasticized with triethyleneglycol di-2-ethylhexanoate

Characteristics	Unit	Min. value	Max. value	Method
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**A. Chemical**

Moisture content of sheet	%	0.35	0.55	AAW 4.10
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**B. Physical**

Thickness	Mm	1.49	1.58	AAW 2.14
Transverse caliper variation	Mm			AAW 2.14
over 2.5 cm		-	0.03	
over 5.0 cm		-	-	
over 90 cm		-	0.09	
Surface roughness Rz (ISO)	μ	36	55	UL-2730
Normalized adhesion (CSI <sub>n</sub> )		0.67	1.33	UL-2110
Roll width tolerance	Mm	0	23	BUT-2.21
Roll length tolerance	M	0.0	1.0	BUT-2.22
Shrinkage @ 20°C	%	-	3	UL-2725
Shrinkage @ 71°C	%	-	8	UL-2720
Contamination (per 225 running meter of Everlam™)	#			AAW 4.13
Class I		-	0	
Class II				
width < 165 cm		-	3	
width ≥ 165 cm		-	6	

**C. Visual**

Color (Yellowness Index)	#	-	16	UL-2650
Instrumental haze	%	-	0.6	UL-2690
Light transmittance	%	88.0	-	UL-2500
U.V. Transmittance	%		<1	UL-2850 (ISO-9050)