

## Vega AE BioCote® soft touch collection



MARINE



OUTDOOR



HEALTHCARE



HOSPITALITY



RESIDENTIAL



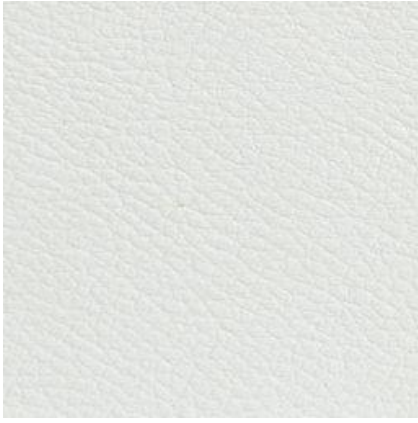
OFFICE



AUTOMOTIVE



ACCESSORIES



6



1126



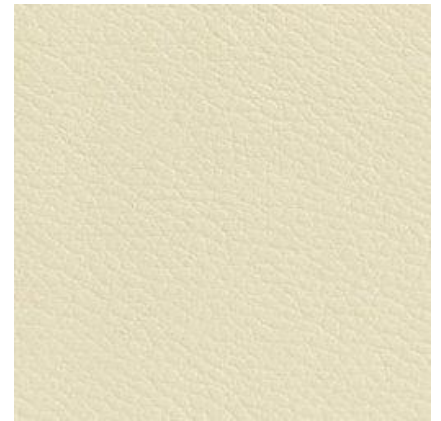
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1164



1182



1190



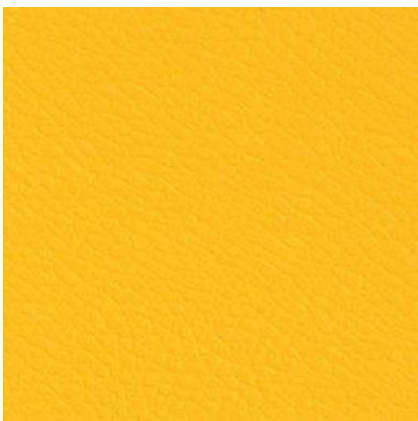
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1194



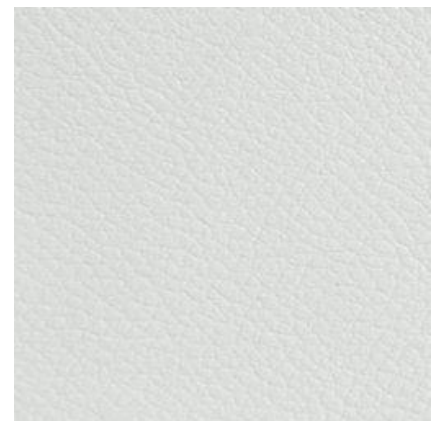
2173



64



71



1957



6985



3962



1984



6986



1843



1868



1831



680



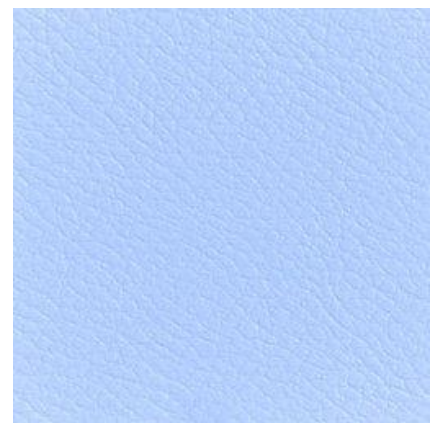
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6941



6942



8019



8009



6940



5946



4942



569



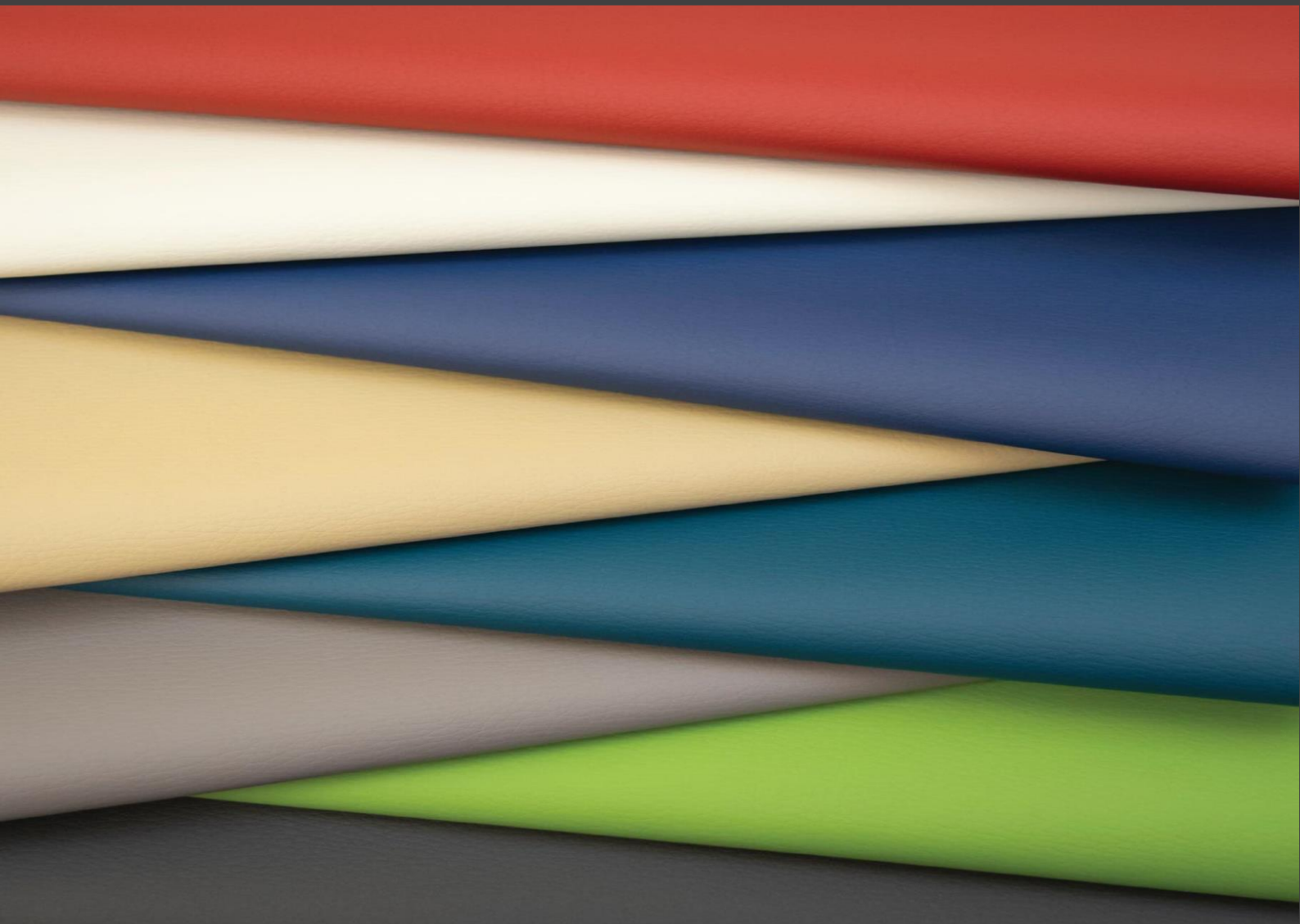
1388



1305



991



Antimicrobial



Weather resistant



Phthalatates free



Wear and tear resistant



REACH compliant



Excellent tailorability



RoHS compliant



IMO MED certified



Easy clean



Made in Italy

At Lederplast, we manufacture all of our products in Europe. As well as this, every component of our vinyl is sourced in Europe.

We pride ourselves on having full control of the manufacturing process and as a result are able to offer a totally bespoke product to meet our customers' needs.

All of our products parameters can be altered. We can match any colour, texture, thickness, backing cloth, specification etc. for minimum order quantity of 500 ml.

# Vega AE BioCote®

## Technical data sheet



Required test	Unit	Test method	Values/Results	
Weight	g/m <sup>2</sup>	UNI EN 2286-2:2001	700 ± 50	
Thickness	mm	UNI EN 2286-3:2001	1,05 ± 0,1	
Width	cm	UNI EN 2286-1:2001	138 - 140	
Tensile strength	N	UNI EN ISO 1421 METHOD 1	Lengthwise:	≥ 400
			Crosswise:	≥ 150
Elongation strenght	%	UNI EN ISO 1421 METHOD 1	Lengthwise:	≥ 150
			Crosswise:	≥ 200
Abrasion resistance (Martindale method)	Cycles	UNI EN ISO 12947-2:2000	80.000	
Kink resistance (Bally method)	Cycles	UNI 4818-13	≥ 80.000	
Determination of resistance to water penetration Constant pressure test	Hydrostatic pressure applied: 30 cm	UNI 5123:1987	RESISTANT	
Antibacterial activity	%	MOD AATCC 100	E. Coli:	≥ 99,93%
			MRSA:	≥ 99,94%
		ISO 20743	E. Coli:	≥ 98,91%
			MRSA:	≥ 99,99%
Contains BioCote® (product registered under the Biocidal Product Regulation (BPR), EU Regulation no. 528/2012) silver phosphate glass antimicrobial technology to preserve the surface and prevent degradation caused by microbial growth.				
Contains biocidal active substances Tiabendazolo and Folpet to help preservation of the surface and oppose degradation caused by microbial growth (according to EU Regulation no. 528/2012).				
Colour fastness to artificial light	Blue scale	UNI EN ISO 105 B02:2014	≥ 6	
Colour fastness to crocking and rubbing	Grey scale	UNI EN ISO 105 X12:2003 Number of cycles: 10	Dry:	5
			Ethyl alcohol:	4
			Bleach:	5
		UNI EN ISO 105 X12:2016 mod. 10 rubs	Hydrogen peroxide 5%:	4/5
			Chlorhexidine 0.05%:	5
			Chloramine-T 5%:	4/5
			Isopropanol 80%:	5
		UNI EN ISO 105 X12:2016	Dry:	4/5
Massage oil:	4/5			
Moisturizing cream:	4/5			
Resistance to stains	Grey scale	UNI EN 15973:2011	Evaluation after soiling and cleaning:	3 – 4
Resistance to penetration by body fluids (blood and urine)	0 – 20 kPa	ISO 16603:2004	NO PENETRATION	
Tests for irritation and skin sensitization	-	ISO 10993-10:2010 § 6.3	NEGLEGIBLY IRRITATING	
Flame retardancy	<ul style="list-style-type: none"> <li>▪ BS 5852-1:1979 (Sched. 5-part I) Match test</li> <li>▪ BS 5852-1:1979 Cigarette slow burn</li> <li>▪ IMO Resolution MSC.307(88) - FTP Code 2010 - Part 8 - Cigarette test - Open flame test</li> <li>▪ Certificate number: MED/0497/1195</li> <li>▪ UNI 9175:1987 and UNI 9175-FA 1:1994 CLASS 1IM <ul style="list-style-type: none"> <li>▪ Item tested in combination with flame retardant foam density 25 kg/m<sup>3</sup>. Different foams may originate different results.</li> </ul> </li> <li>▪ NF P 92 507:2004 electric burner: M2</li> <li>▪ DIN 4102-1: B2</li> <li>▪ E/ECE/324 E/ECE/TRANS/505 Rev.2/Add. 117 Regulation No. 118 – Att. 7 and 8</li> <li>▪ FAR 25.853 - Part 25 - Appendix F - Vertical test 12 s</li> </ul>			
Composition	%	PVC	90%	
		Polyamide	10%	
Cleaning rules	<p>Clean with damp soapy cloth and rinse well with clean water. Do not use solvents, bleaches, synthetic detergents, polishes or aerosol spray.</p> <p>Normally synthetic leather light colours should not come in contact with no fixed cloured clothes (such as jeans and similar) not to cause stains and rings that can not be cleaned up.</p>			
The overmentioned data correspond to average values communicated in good faith, but they can not be considered as a contract document. The product use has to be considered in terms of what has to be realized and it can not be held up responsible when it is improperly used. Slight colour differences among several lots are admitted.				



### CONFORMITY TO MEC/CAM (Minimum environmental criteria/Criteri Ambientali Minimi)

Ministerial Decree 11 January 2017 - Adoption of the minimum environmental criteria for interior furnishings, construction and textile products:

- Annex 1 - Table 3: Physical requirements for coated fabrics used as a coating in upholstered furniture and the point 3.2.5 Residues of chemical substances for textiles and leather
- Annex 3 - point 4.1.2 Restriction of hazardous chemicals to be tested on the finished product

Required test	Unit	Test method	MEC limits		Values/Results
Determination of tensile strength	daN	EN ISO 1421:2016	Lengthwise:	≥ 35	36,1
			Crosswise:	≥ 20	18,7
Determination of tear force of trouser shaped test specimens	daN	EN ISO 13937-2:2000	Lengthwise:	≥ 2,5	2,6
			Crosswise:	≥ 2	2,9
Colour fastness to artificial light	Blue scale	UNI EN ISO 105 B02:2014	Indoor use:	≥ 6	≥ 6
			Outdoor use:	≥ 7	≥ 6
Determination of abrasion resistance Martindale abrader	Cycles	UNI EN ISO 5470-2:2004	Method 1 (direct)	> 60.000	At 102.400 cycles: Index 1 very light damage
			Method 2 (reverse)	> 200.000	At 204.800 cycles: Index 1 very light damage
Determination of coating adhesion	daN	EN ISO 2411:2011	Lengthwise:	≥ 1,5	4,1
			Crosswise:	≥ 1,5	4,3
Phthalates	%	UNI EN ISO 14389:2014	0,1		< 0,06
Arylamines	mg/Kg	UNI EN 14362-1: 2012	≤ 30		NOT DETECTABLE
Determination of formaldehyde free and hydrolysed formaldehyde	mg/Kg	UNI EN ISO 14184-1:2011	≤ 75		NOT DETECTABLE
Determination of formaldehyde free and hydrolysed formaldehyde (classroom furniture)	mg/Kg	UNI EN ISO 14184-1:2011	≤ 20		NOT DETECTABLE
Determination of metal content	mg/Kg	UNI EN 16711-2:2015	Antimony:	≤ 30	8,00
			Arsenic:	≤ 1	NOT DETECTABLE
			Cadmium:	≤ 0,1	NOT DETECTABLE
			Chrome:	≤ 2	NOT DETECTABLE
			Cobalt:	≤ 4	NOT DETECTABLE
			Copper:	≤ 50	NOT DETECTABLE
			Lead:	≤ 1	NOT DETECTABLE
			Mercury:	≤ 0,02	NOT DETECTABLE
Nickel:	≤ 1	NOT DETECTABLE			

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