








LOGO	CARACTÉRISTIQUES CHARACTERISTICS	NORMES STANDARDS	ÉPREUVES REQUIREMENTS	RÉSULTATS RESULTS
	ASTM F970-17	EN 14372:2004	N/A	FREE
	DIMENSIONAL STABILITY	ASTM F2199-09(R2014)	≤ 0.25%	MANUFACTURING DIRECTION: -0.089% ACROSS MANUFACTURING DIRECTION -0.015%
	SEAM STRENGHT	EN 684:1995	N/A	AVERAGE: 360N/50MM MINIMUM: 330N/50MM PASS
	RESIDUAL INDENTATION (%)	ASTM F1700-13a ASTM F1914-07 (2011)	AVERAGE VALUE ≤ 8 INDIVIDUAL VALUE ≤ 10	0.4 PASS
	RESISTANCE TO CHEMICALS	ASTM F1700 13a ASTM F925-13	NO MORE THAN A SLIGHT CHANGE IN SURFACE DULLING, SURFACE ATTACK, OR STAINING	NO CHANGE IN SURFACE DULLING, SURFACE ATTACK, OR STAINING WAS DETECTED
	HEAT STABILITY	ASTM F1514-03 (R2013)	Δ E* ab < 8	Δ E* ab =0.67 PASS
	STATIC LOADING	ASTM F970-17	N/A	0.04MM PASS
	SOLUBLE HEAVY METAL CONTENTS TEST	ASTM F963-16 (CLAUSE 8.3)	N/A	FREE
	LARGE BALL IMPACT RESISTANCE	NALFA/ANSI LF-01-2011	N/A	NO CRACKS OR FRACTURES OCCURED AT THE HEIGHT OF 2500 MM



## TABLEAU COMPARATIF DES REVÊTEMENTS DE VINYLE

### COMPARATIVE CHART OF RESILIENT FLOORING

DESCRIPTION	VINYLE SOUPLE LVT	VINYLE RIGIDE SPC
FABRICATION/MADE IN	CHINE/CHINA	CHINE/CHINA
RÉSISTE À L'EAU/WATER RESISTANT	OUI/YES	OUI/YES
TOLÉRANCE À LA CHALEUR/TOLERANCE TO HEAT	MAX 29°C	MAX 60°C
TOLÉRANCE AU FROID/COLD TOLERANCE	MIN -15°C	MIN -25°C
TOLÉRANCE DU SOUS-PLANCHER/SUBFLOOR TOLERANCE	2 MM/1 M	2 MM/1 M
INSTALLATION EXTÉRIEURE/EXTERIOR INSTALLATION	NON/NO	NON/NO
ESPACEMENT MUR ET CADRE DE PORTE / WALL AND DOOR FRAME SPACING	N/A ( COLLÉ - GLUED )	10 MM
MOULURE DE TRANSITION/TRANSITION MOLDING	N/A ( COLLÉ - GLUED )	10 MM / 18 M
MOULURE DE TRANSITION ENTRE LES PIÈCES / TRANSITION MOLDING BETWEEN ROOMS	N/A ( COLLÉ - GLUED )	OUI/YES
RECYCLABLE	OUI/YES	OUI/YES
CONFORMÉ À LA NORME E1/COMPLIANT WITH E1 STANDARD	OUI/YES	OUI/YES
TAUX D'ÉMISSION DE COV/COV EMISSION RATE	A+	A+
CHAUFFAGE RADIANT AU GLYCOL/GLYCOL RADIANT HEATED	OUI/YES ( MAX 29°C )	OUI/YES ( MAX 29°C )
CHAUFFAGE RADIANT ÉLECTRIQUE/ELECTRIC RADIANT HEATED	OUI/YES ( MAX 29°C )	OUI/YES ( MAX 29°C )
MEMBRANE REQUISE SI NON INTÉGRÉE / REQUIRED MEMBRANE IF NON INTEGRATED	N/A ( COLLÉ - GLUED )	ZYTO FM-906

LOGO	CARACTÉRISTIQUES CHARACTERISTICS	NORMES STANDARDS	ÉPREUVES REQUIREMENTS	RÉSULTATS RESULTS
	TUV PREMIUM CERTIFICATION	BELGIAN VOC REGULATION BREEAM EXEMPLARY LEVEL	REFER TO STANDARDS	PASS
	DIBT CERTIFICATION	EN 14041	REFER TO STANDARDS	PASS
	CE CERTIFICATION	EN 14041	REFER TO STANDARDS	PASS
	FLOORSCORE CERTIFICATION	SCS-EC10.3-2014v3.0	REFER TO STANDARDS	PASS
	WEAR RESISTANCE	EN660-2:1999+A1:2003 EN649 2011	N/A	Fv=1.4MM² WEAR GROUP: T
	ABRASION RESISTANCE (0.2 MM WEARLAYER) (0.3 MM WEARLAYER) (0.5 MM WEARLAYER)	EN13329:2016	≥ 2000 CYCLES ≥ 3000 CYCLES ≥ 5000 CYCLES	2800 CYCLES - PASS 3400 CYCLES - PASS 5800 CYCLES - PASS
	STAINING RESISTANCE	EN 423:2001	N/A	NOT AFFECTED
	CHEMICAL SOLUTION	EN423:2002	N/A	NOT AFFECTED
	COLOUR FASTNESS TO LIGHT	ISO 105 B02:1994 /AMD 1:1998+AMD2:2000	N/A	GRADE 6
	PEEL RESISTANCE	EN 431:1994	N/A	UPPER LAYER X DIRECTION :90N/50MM Y DIRECTION: 90N/50MM
	EFFECT OF A CASTOR CHAIR 25000 CYCLE	EN 425:2002 ISO4918:2016	N/A	NO VISIBLE DAMAGE
	THERMAL CONDUCTIVITY	EN 12667:2001	N/A	0.14W (m.K)
	SLIP RESISTANCE	DIN 51130:2010 EN13893	COEFFICIENT OF FRICTION ≥ 0.30	R10 CLASS DS
	FIRE RESISTANCE	EN 9239-1 EN ISO11925-2 EN 13501-1	CRITICAL FLUX ≥ 8.0kW/m² FS ≤ 150mm WITHIN 20S SMOKE ≤ 750% MINUTES	B fl-s 1
	DETERMINATION OF RESIDUAL INDENTATION AFTER STATIC LOADING	EN433:1994 GB/T4085-2015	N/A	0.038MM PASS 0.040MM
	IMPACT SOUND INSULATION	ISO 10140-1:2010 ISO 717-2:1996+A1:2006	N/A	Δlw=8dB, C1, Δ=-4db
	IMPACT INSULATION CLASS	ASTM E2179-09 ASTM E492-09 ASTM E989-06	N/A	IIC c -28= ΔIIC 19 IIC 53
	PVC RESIN STABILIZER WEAR LAYER	US EPA 8270D:2007 DMF [ N,N-DIMETHYLFORMAMIDE ]	N/A	FREE
	DIMENSIONAL STABILITY AND CURLING AFTER EXPOSURE TO HEAT	EN 434:1994	< 0.25% THE CURLING ≤ 2MM	VARIATION OF X DIRECTION: -0.13% VARIATION OF Y DIRECTION: -0.12% CURLING: <0.5MM
	WATER ABSORPTION	ASTM D570-98(2010)	N/A	0.17% PASS
	LOCKING STRENGHT 3.2MM TICKNESS	ISO 24334:2014	N/A	LONGITUDINAL JOINT MAXIMUM LOCKING STRENGHT F MAX (N)=398 TRANVERSE JOINT MAXIMUM LOCKING STRENGHT F MAX (N)=354

## ÉMISSIONS DE COV DANS L'AIR INTÉRIEUR (LVT-SPC) VOC EMISSIONS IN INDOOR AIR (LVT-SPC)

LOGO	CARACTÉRISTIQUES CHARACTERISTICS	NORMES STANDARDS	ÉPREUVES REQUIREMENTS	RÉSULTATS RESULTS
	PHTHALATE TESTS (DBP/BBP/DEHP/DINP/DNOP/DIDP)	EN 14372:2004 REACH NO.1907/2006 REACH NO.552/2009	N/A	FREE
	FORMALDEHYDE EMISSION	EN717-1:2004	$E1 \leq 0.124 \text{MG}/\text{M}^3$	FREE
	SOLUBLE HEAVY METAL CONTENTS TEST	EN 71 PART 3:1994+ A1:2000+AC:2002 ASTM F 963-11	N/A	FREE
	SVHC RELEASED	EU REACH REGULATION NO.1907/2006 ARTICLE 33	N/A	NOT DETECTED
	VOCs ACETALDEHYDE	ASTM CA 01350 V1.1, 2012	N/A	PASS
	VOCs TOLUENE	ASTM CA 01350 V1.1, 2012	N/A	PASS
	TVOC	ASTM CA 01350 V1.1, 2012	N/A	PASS
	FRENCH VOC REGULATION	ISO 16000 PARTS-3,-6,-9,-11	N/A	A+
	TVOC	ISO 16000 PARTS -3, -6, -9, -11 CONCENTRATION AFTER 28 DAY	$< 1000 \text{ug}/\text{M}^3$	$1000 \text{ug}/\text{M}^3$
	TSVOC	ISO 16000 PARTS -3, -6, -9, -11 CONCENTRATION AFTER 28 DAY	$< 100 \text{ug}/\text{M}^3$	$< 5 \text{ug}/\text{M}^3$
	TOTAL VOC WITHOUT LC(D)	ISO 16000 PARTS -3, -6, -9, -11 CONCENTRATION AFTER 28 DAY	$< 100 \text{ug}/\text{M}^3$	$< 5 \text{ug}/\text{M}^3$
	R-VALUE (LC(D))*	ISO 16000 PARTS -3, -6, -9, -11 CONCENTRATION AFTER 28 DAY	$< 1 \text{ug}/\text{M}^3$	$0.067 \text{ug}/\text{M}^3$
	FORMALDEHYDE	ISO 16000 PARTS -3, -6, -9, -11 CONCENTRATION AFTER 28 DAY	$< 60 \text{ug}/\text{M}^3$	$< 6 \text{ug}/\text{M}^3$
	ACETALDEHYDE	ISO 16000 PARTS -3, -6, -9, -11 CONCENTRATION AFTER 28 DAY	$< 200 \text{ug}/\text{M}^3$	$1 \text{ug}/\text{M}^3$
	TOLUENE	ISO 16000 PARTS -3, -6, -9, -11 CONCENTRATION AFTER 28 DAY	$< 300 \text{ug}/\text{M}^3$	$1 \text{ug}/\text{M}^3$
	TETRACHLOROETHYLENE	ISO 16000 PARTS -3, -6, -9, -11 CONCENTRATION AFTER 28 DAY	$< 350 \text{ug}/\text{M}^3$	N/D
	XYLENE	ISO 16000 PARTS -3, -6, -9, -11 CONCENTRATION AFTER 28 DAY	$< 300 \text{ug}/\text{M}^3$	N/D
	1,4- DICHLOROBENZENE	ISO 16000 PARTS -3, -6, -9, -11 CONCENTRATION AFTER 28 DAY	$< 90 \text{ug}/\text{M}^3$	N/D
	STYRENE	ISO 16000 PARTS -3, -6, -9, -11 CONCENTRATION AFTER 28 DAY	$< 350 \text{ug}/\text{M}^3$	N/D
	TRICHLOROETHYLENE	ISO 16000 PARTS -3, -6, -9, -11 CONCENTRATION AFTER 28 DAY	$< 1 \text{ug}/\text{M}^3$	N/D
	DEHP	ISO 16000 PARTS -3, -6, -9, -11 CONCENTRATION AFTER 28 DAY	$< 1 \text{ug}/\text{M}^3$	N/D
	DBP	ISO 16000 PARTS -3, -6, -9, -11 CONCENTRATION AFTER 28 DAY	$< 1 \text{ug}/\text{M}^3$	N/D
	CARCINOGENIC SUBSTANCES	ISO 16000 PARTS -3, -6, -9, -11 CONCENTRATION AFTER 28 DAY	$< 1 \text{ug}/\text{M}^3$ EACH	N/D