

NovoCore

Last update: December 7th, 2015

PRODUCT DESCRIPTION		
Size	Thickness	5mm(include 1 mm cork)
	Width	151mm
	Length	1213mm
Top layer	Type	UV coat + PVC wear layer + PVC décor layer
	Thickness	Wear layer of 0.3mm
	Texture	Natural embossed (CR57)
	Gloss	4-7%
Core	Type	Waterproof thermoplastic composite
	Thickness	3.6mm
	Color	Light brown
	Density	≥ 1200kg/m3
Balanced layer	Wood content	None
	Type	None
	Thickness	None
Bevel	Color	None
		4 sides micro bevel
Edges sealer		None
Locking system		Angle/Angle
Type of installation		Floating
Backing	Type	Cork pad
	Thickness	1.0mm
Underfloorheating compatibility		Yes but under certain condition- See installation instruction manual

CHEMICAL COMPOSITION	
Formaldehyde emission	E0 / Carb2
PCP	≤ 1ppm
VOC (ISO 16000)	VOC A+
Prop 65	Pass

REACH	Ortho-phthalates	ND
	Lead	≤ 90ppm
	Mercury/ Chromium VI / Cadmium	ND
	SCCp (C10-C13)	ND
	Benzene/Xylene	ND
	Tributyl tin	ND
	PAHs	Meet requirement of product that can be put in mouth

SURFACE ANTIBACTERIAL PROPRIETY	
MRSA	SE+ Antibacterial coating > 99% bacteria reduction
ESBL	
E.Coli (Escherichia Coli)	
S.Aureus (Staphylococcus aureus)	

DIMENSIONAL TOLERANCE	
Thickness tolerance	+/- 0.2mm
Width tolerance	+/- 0.1mm
Length tolerance	+/- 0.5mm
Height difference	≤ 0.15mm
Gap between planks	≤ 0.20mm
Cupping up	≤ 0.15% of the planks width
Cupping down	≤ 0.2% of the planks width
End lift	≤ 0.5% of the planks length
Bowing	≤ 1.0% of the planks length
Squarness	≤ 0.25mm/ 305mm

PHYSICAL PROPRIETIES		
Heat exposure resistance 80°C/180°F	EN-434 ASTM F2199	≤ 3.5% / ≤ 5mm
Heat exposure resistance 60°C/140°F	EN-434 ASTM F2199	≤ 0.25% / ≤ 1mm
Swelling after submersion in water	EN 13329	≤ 0.01%
Glue water resistance	100°C/6h waterbath	Pass
Swelling rate from 10° to 45° C (50° to 113° F)	Factory testing	≤ 0.25%
Temperature change simulation	from 35 to 5°C (95° to 41° F) from 10 to 45°C (50° to 113° F)	max gap 0.25mm, max cupping 0.25mm
Impact sound reduction (IIC)	ASTM E492-09	IIC=70
Sound transmission reduction (STC)	ASTM E90-09	STC=72
Click strength (23°C)	Internal	≥180N/50mm
Thermal conductivity	EN 14041	0.07W/(m.k)
Fire resistance	EN 14041	Class Bfl -S1
Fire resistance (CHF)	ASTM E648/662	0.9 W/cm2 (Class I)

SURFACE PROPRIETY		
Class of use	EN 13329	Residential (class 23), Light commercial (Class 31)
Abrasion	IS) 1518-1 EN 13329	≤ 0.015g/1000 rev ≥ 4000 rev
Scratch	Internal	≥ 3500g
Indentation	ASTM 1914 EN 433	Average ≤ 8%, Max ≤ 10% ≤ 0.1mm
Impact resistance	EN 13329	≥ 1200mm
Static load	ASTM F970	NPD
Surface soundness	EN 311	≥ 1.0N/mm2
Sliperiness	EN14041 EN14041	Dry COFD: >0.45 Wet COFD: NPD

GENERAL QUALITY RELATED NORMS	
Europe	EN 16511/EN 14041
USA	ASTM F1700

NovoCore Flooring**1 PRODUCT AND COMPANY IDENTIFICATION**

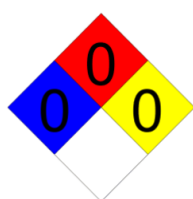
Product Name NovoCore Flooring (all grade and thickness)
Description Polymeric floor covering
Manufacturer Casabella Floors
1201 Chase Avenue
Elk Grove, I L 60007

Information phone: (847) 979-2500

2 HAZARDS IDENTIFICATION

Overview: Solid plank or tile material with brown core and overprinted designs. No appreciable odor.

Classification **Regulation (EC) No 1272/2008:** The material is not classified according to the CLP regulation.
Directive 67/548/EEC or Directive 1999/45/EC: Not applicable.
GHS-US: this product is not classified as hazardous.
OSHA Standard 29 CFR 1910.1200: no classification known
SARA Title III, Section 313: no classification known
HMIS: Health = 0, Flammability = 1, Reactivity = 0; Specific = 0 (0= minimal hazard; 4 = severe hazard)
NFPA: Health = 0, Flammability = 0, Reactivity = 0 (0= minimal hazard; 4 = severe hazard)



HMIS	
HEALTH	0
FLAMMABILITY	1
INSTABILITY	0
SPECIFIC	0

Route of Entry: None for product as sold. For dust or chips generated during fabrication operation: eye contact, skin contact, and inhalation.

Target Organs: None

Inhalation: No hazard for product as sold. Fabrication operation such as milling, cutting, grinding, etc., may produce dust or chips that may be irritating or harmful if inhaled. Repeated and prolonged inhalation of dust may lead to chronic respiratory irritation. Asthmatics conditions may be aggravated by uncontrolled airborne dust exposures.

Skin Contact: Solid piece (strip, sheet,...) may be abrasive to, or cut skin. Fabricating operations such as milling, cutting, grinding,...may produce dust or chips that may be irritating.

Eye Contact: No hazards for products as sold. Fabricating operations such as milling, cutting, grinding, etc., may produce dust or chips that may be irritating.

Ingestion: Not an expected route of entry with normal use of product.

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3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS No	EC No	% by weight	GHS-US classification	EC classification
PVC resin	9002-86-2	200-831-0	30-50	Not classified	Not classified
Calcium Carbonate	471-34-1	Not classified	50-70	Not classified	Not classified
Additive	Mixture	Mixture	< 3	Mixture	Mixture
Toner	Mixture	Mixture	< 1	Mixture	Mixture
Coating	Mixture	Mixture	< 1	Mixture	Mixture
Adhesive	mixture	Mixture	< 1	Mixture	Mixture

4 FIRST AID MEASURES

Inhalation:	No hazard for product as sold. Fabrication operations such as milling, cutting, grinding, etc., may produce dust or fines that may be irritating or harmful if inhaled. If irritation persists, seek medical attention.
Skin Contact:	Solid piece (strip, sheet,...) may be abrasive to, or cut skin. Fabrication operations such as milling, cutting, grinding, etc., may produce dust or fines that may be irritating. Wash with soap and water. If irritation persists, seek medical attention.
Eye Contact:	No hazards for product as sold. Fabrication operations such as milling, cutting, grinding, etc., may produce dust or fines that may be irritating. Rinse eyes with water for 15 minutes. If irritation persists, seek medical attention.
Ingestion:	Not an expected route of entry with normal use of product.

5 FIRE FIGHTING MEASURES

Flash point:	Not available
Lower Explosive Limit (LEL) %:	Not available
Upper Explosive Limit (UEL) %:	Not available
Auto-ignition temperature:	Not available
OSHA flammability classification:	Not available
Hazardous products of combustion:	Protect self from combustion products and fumes
Extinguishing media:	Water spray, CO2, foam, dry chemical
Unusual fire and explosion hazards:	None
Fire fighting equipment:	Self-contained breathing apparatus and full protective clothing
Miscellaneous advice:	ASTM E-648 CRF value greater than 0.45 W/Square CM. Material is considered to be self extinguishing.

6 ACCIDENTAL RELEASE MEASURE

Personal precautions:	None. This is a non-hazardous material.
Method for clean-up:	Due to solid, inert properties, scrap pieces may be simply swept up and disposed of as a solid non-hazardous waste per local, state and federal regulation.

7 HANDLING AND STORAGE

Handling Precautions:	Install with adequate ventilation.
Storage Requirements:	Store in a dry, well ventilated area.

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8 EXPOSURE CONTROLS/PERSONAL PROTECTUION

Protective Equipment: When ventilation is not adequate, wear an approved/certified respirator with an appropriate particulate dust filter. Gloves suitable for protection against cuts and abrasions from sharp edges are recommended. Wear safety goggles during fabrication operations that produce materials, i.e. chips, that may be ejected and impact the eyes.

Cutting of this product may produce dust. Consult local authorities and local regulations for exposure limits.

Hygienic practices: Wash hands before eating, smoking, or using toilet facilities, and after handling this product.

9 PHYSICAL and CHEMICAL PROPRERTIES

Appearance:	Plank or tile flooring	Flash point:	Not available
Physical state:	Solid plank or tile	Evaporation rate:	Not available
Specific gravity:	1.1-1.4 (water = 1.0)	Flammability:	Not available
Odor:	No appreciable odor.	Vapor pressure/density:	Not available
PH:	Not available	Relative density:	1.1-1.4 kg/m3
Melting point:	Not available	Solubility:	Negligible
Freezing point:	Not available	Auto-ignition temperature:	Not available
Initial boiling point:	Not available	Viscosity:	Not available
Decomposition temperature:	Not available		
Decomposition products:	Thermal decomposition in the presence of air may yield carbon dioxide (CO ₂), carbon monoxide (CO) and possible hydrochloric acid (H ₂ S)		

10 STABILITY and REACTIVITY

Condition to avoid:	Stable
Material o avoid:	Stable
Reactivity:	Stable
Stability:	Stable
Hazardous reactions:	Should not occur
Hazardous polymerization:	Should not occur
Hazardous decomposition products:	Not available

11 TOXICOLOGICAL INFORMATION

Product LD50 (Oral):	Not available
Product LD50 (Dermal):	Not available
Product LC50:	Not available
Immediate (acute) effects:	No known acute toxicological hazards
Delayed (subchronic & chronic) effect:	No known subchronic ar chronic toxicological hazards

12 ECOLOGICAL INFORMATION

No ecological impact study information is available on this product

13 DISPOSAL CONSIDERATIONS

Dispose of according to Federal state, and local regulations.

14 TRANSPORT INFORMATION

The information provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transport.

Material is non-hazardous and not regulated by USDOT.

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15	REGULATORY INFORMATION
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Formaldehyde:	Formaldehyde emission of this product is within E1 standard (EN 717-1) Formaldehyde emission of this product is within the California Air Resources Board's (CARB) Airborne Toxic Control Measure (ATCM) 93120 Title 17, California Code of Regulations, and meets the CARB Phase 2 standards.
Phthalate:	Product does not require special protection before, during and after installation of the flooring This product is ortho- phthalates free and comply with Californian Regulation Proposition 65. However, potential traces of ortho-phthalates can be found but at a level lower than 1000 ppm.
Asbestos:	This product does not contain asbestos
U.S. Federal regulations:	Not available
SARA section 313:	Not available
TSCA:	Not available

16	OTHER INFORMATION
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OSHA - Occupational Safety and Health Administration
TSCA - Toxic Substances Control Act
ppm - parts per million
GHS – Globally Harmonized System (of classification and labeling of chemicals)
NFPA: National Fire Protection Association
USDOT – United State Department Of Transportation

DISCLAIMER

To the best of our knowledge, the information contained herein accurate. However, neither the above named manufacturer nor any of its subsidiaries assumes any liability whatsoever for accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards described herein, we cannot guarantee that these are the only hazards that exist.

END OF SDS DOCUMENT