

# NovoCore Premium

Last update: August 16th, 2017

PRODUCT DESCRIPTION		
Size	Thickness	6.5mm(Include 1mm cork)
	Width	178mm(RE)/180mm(EIR)
	Length	1218mm(RE)/1235mm(EIR)
Top layer	Type	UV coat + PVC wear layer + PVC décor layer + vinyl layer
	Thickness	Wear layer of 0.55mm (Total thickness 1.5mm)
	Texture	EIR/Brushed
	Gloss	4-7%
Core	Type	Waterproof thermoplastic composite
	Thickness	4.0mm
	Color	Light brown
	Density	≥ 850kg/m <sup>3</sup>
Balanced layer	Wood content	None
	Type	None
	Thickness	None
Bevel	Color	None
		4 sides micro bevel
Edges sealer		None
Locking system		Fall down-Tight lock
Type of installation		Floating
Backing	Type	Cork pad
	Thickness	1mm
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
Bowling		≤ 1.0% of the planks length
Squarness		≤ 0.25mm/ 305mm

PHYSICAL PROPRIETIES			
Heat exposure resistance 60°C/140°F	EN-434	≧ 0.1% / ≤ 0.2mm	
	ASTM F2199		
Swelling after submersion in water		EN 13329	≤ 0.1%
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)		max gap 0.25mm,
	from 10 to 45°C (50° to 113° F)		max cupping 0.25mm
Impact sound reduction (IIC)		ASTM E492-09	IIC=71
Sound transmission reduction (STC)		ASTM E90-09	STC = 75
Click strength (23°C)		Internal	≥180N/50mm
Thermal conductivity		EN 14041	0.95W/(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), Medium commercial (Class 32)
Abrasion	Internal	≤ 0.015g/1000 rev
	EN 13329	≥ 10000rev
Scratch	Internal	≥ 2500g
Surface soundness	EN 311	≥ 1.0N/mm2
Indentation	ASTM 1914	Average ≤ 20%
	EN 433	≤ 0.1mm
Impact resistance (big ball)	EN 13329	≥ 1600mm
Static load (250LBS/115KG)	ASTM F970	≤0.1mm
Sliperiness	EN14041	Dry COFD: >0.45
	EN14041	Wet COFD: NPD

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

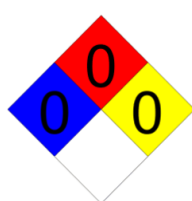
**NovoCore Premium Flooring****1 PRODUCT AND COMPANY IDENTIFICATION**

**Product Name** NovoCore Premium Flooring (all grade and thickness)  
**Description** Polymeric floor covering  
**Supplied by** Casabella Floors  
1201 Chase Avenue  
ElkGrove, IL 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.

## NovoCore Premium Flooring

### 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

<b>Inhalation:</b>	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.
<b>Skin Contact:</b>	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.
<b>Eye Contact:</b>	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.
<b>Ingestion:</b>	Not an expected route of entry with normal use of product.

### 5 FIRE FIGHTING MEASURES

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

### 6 ACCIDENTAL RELEASE MEASURE

<b>Personal precautions:</b>	None. This is a non-hazardous material.
<b>Method for clean-up:</b>	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

<b>Handling Precautions:</b>	Install with adequate ventilation.
<b>Storage Requirements:</b>	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

<b>Appearance:</b> Plank or tile flooring <b>Physical state:</b> Solid plank or tile <b>Specific gravity:</b> 0.95-1.3 (water = 1.0) <b>Odor:</b> No appreciable odor. <b>PH:</b> Not available <b>Melting point:</b> Not available <b>Freezing point:</b> Not available <b>Initial boiling point:</b> Not available <b>Decomposition temperature:</b> Not available <b>Decomposition products:</b> Thermal decomposition in the presence of air may yield carbon dioxide (CO <sub>2</sub> ), carbon monoxide (CO) and possible hydrochloric acid (H <sub>2</sub> S)	<b>Flash point:</b> Not available <b>Evaporation rate:</b> Not available <b>Flammability:</b> Not available <b>Vapor pressure/density:</b> Not available <b>Relative density:</b> 0.95-1.3 kg/m <sup>3</sup> <b>Solubility:</b> Negligible <b>Auto-ignition temperature:</b> Not available <b>Viscosity:</b> Not available
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### 10 STABILITY and REACTIVITY

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

### 11 TOXICOLOGICAL INFORMATION

<b>Product LD50 (Oral):</b>	Not available
<b>Product LD50 (Dermal):</b>	Not available
<b>Product LC50:</b>	Not available
<b>Immediate (acute) effects:</b>	No known acute toxicological hazards
<b>Delayed (subchronic &amp; chronic) effect:</b>	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.

**NovoCore Premium Flooring****15 REGULATORY INFORMATION**

<b>Formaldehyde:</b>	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.
<b>Phthalate:</b>	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.
<b>Asbestos:</b>	This product does not contain asbestos
<b>U.S. Federal regulations:</b>	Not available
<b>SARA section 313:</b>	Not available
<b>TSCA:</b>	Not available

**16 OTHER INFORMATION**

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**