

# GRAYTON

## GEN 5 & GEN 6 WARRANTY INFORMATION

**Always refer to recommended instructions prior installation. Any method indifferent from this document may void your warranty.**

Grayton Products Gen 5 and Gen 6 warranty is given to the original purchaser of our products and is limited to Grayton Products Gen 5 and Gen 6 products only. This warranty is NOT transferable and may not be claimed by any other than the original purchaser. It is up to the homeowner and/or installer to ensure the correct type, model, collection, and colors are delivered to the jobsite prior to installation. The homeowner/installer can do so by comparing it with the “sample” that the floor was selected from to ensure the floor received is the correct flooring and it is acceptable for installation.

### **Important**

Grayton Products installation and maintenance guidelines MUST be followed as a condition for this warranty. Failure to comply with the installation, and maintenance parameters is subject to denial of the claim. Grayton Products will reserve the right to withhold any guarantee. Refer to the Grayton Products reference manual for installation of flooring materials.

### **Gen 5 - 25 Year Limited Residential Warranty and 5 Year Limited Light Commercial**

Grayton Products Gen 5 warranties is for a period of 25 year residential and 5-year light commercial from the original date of purchase, when installed, maintained, and cared for in accordance with Grayton Products Flooring recommended installation, maintenance, guidelines, as well as usage under normal household conditions in a dry, enclosed residential building, and as listed below. This limited warranty does not cover failures due to abuse, accidental damage or when repairs have been made or attempted by anyone other than Grayton Products.

## **Gen 6 - 30 Year Limited Residential Warranty and 10 Year Limited Light Commercial**

Grayton Products Gen 6 warranties is for a period of 30 year residential and 10-year light commercial from the original date of purchase, when installed, maintained, and cared for in accordance with Grayton Products Flooring recommended installation, maintenance, guidelines, as well as usage under normal household conditions in a dry, enclosed residential building, and as listed below. This limited warranty does not cover failures due to abuse, accidental damage or when repairs have been made or attempted by anyone other than Grayton Products.

### **Underlayment is required:**

Grayton Products will only warranty our products if a 6mil poly is properly installed as an underlayment.

### **Wear Layer:**

Grayton Products Flooring planks are designed to be 100% waterproof, therefore the flooring integrity will not be diminished significantly if exposure to water. Even though Hydrogen flooring planks are 100% waterproof, water can still accumulate in buildings or on building material when water accumulates and is allowed to settle for a while mold and or mildew can occur. Grayton Products Gen 5 & Gen 6 floor warranty does NOT cover any damages resulting from mold and/or mildew growth due to prolonged exposure to moisture.

### **Manufacturing Defects:**

Grayton Products Flooring warrant for the period stated in this warranty, that the Gen floors in their original manufactured condition at the time purchased will be free from any manufacturing defects caused by the production.

### **Waterproofing:**

Grayton Products Flooring planks are designed to be 100% waterproof; therefore the flooring integrity will not be diminished significantly if exposure to water. Even though Grayton Products Gen 5 and Gen 6 flooring planks are 100% waterproof, water can still accumulate in buildings or on building material when water accumulates and is allowed to settle for a while mold and or mildew can occur. Grayton Products Gen 5 & Gen 6 floor warranty does NOT cover any damages resulting from mold and/or mildew growth due to prolonged exposure to moisture.

### **Wear Layer:**

Grayton Products Flooring warrant for the period stated in this warranty, that the surface wear-layer on Gen 5 and Gen 6 floors shell will not wear through under normal use. (Vinyl layer wear-through is defined as 100% vinyl layer wear-through that exposes the core

material over a minimum of 3% of the total installation.)

This warranty will be voided if any modifications or alterations were done to the flooring wear layer, such as sanding or abrading.

### **Manufacturing Defects:**

Grayton Products Flooring warrant for the period stated in this warranty that the Gen 5 and Gen6 floors in their original manufactured condition at the time purchased will be free from any manufacturing defects caused by production.

### **Waterproofing:**

Grayton Products Flooring planks are designed to be 100% waterproof; Therefore the flooring integrity will not be diminished significantly if exposure to water occurs. Even though Gen 5 and Gen 6 flooring planks are 100% waterproof, water can still accumulate in buildings or on building material, when water accumulates and allowed to settle for a while mold and, or mildew can occur. Grayton Products Flooring warranty does NOT cover any damages resulting from mold and/or mildew growth due to prolonged exposure to moisture.

### **This Warranty does not Cover: Type, Color, Shade**

- It is up to the homeowner and/or installer to ensure the correct type, model, collection, and color were delivered to the job site before installation. The homeowner/installer can do so by comparing it with the “sample” that the floor was selected from to ensure the floor received is the correct flooring and it is acceptable for installation. Therefore, this warranty will NOT cover:
- Claims related to incorrect floor type, model, collection, or color once the floor was installed!
- Claims related to color variations between the flooring and/or samples and other flooring or wood products, which you wish to match (Such as: cabinets, stair railings, trim, etc.).
- Claims related to color, shade, or texture variations between samples provided and flooring delivered once flooring planks were installed!
- Claims related to differences between color of samples and the color of installed floors, and color variations from board to board.
- Claims related to differences in color between different dye LOTs.
- Wear layer wear-through must be readily visible from a distance of 6 feet, measuring at least 1 square inch.
- Wear-through at the edges of floors is excluded from this warranty and will NOT be covered.
- Gloss fading is not considered wear-through under this warranty and will NOT be covered.
- Floors installed over radiant heated subfloors, but were not indicated as suitable for radiant heat, will void all warranty coverage.

## **Defects & Damages**

Industry standard allows for a defect and irregular tolerance of up to 5%. Therefore, it is the homeowners/installers responsibility to inspect the product for any visible defects or damage prior to installation. If the floor does not meet the homeowners/installer's expectations and/or is not acceptable for installation; please contact Grayton Products before beginning installation.

**This warranty does not cover any right to claim for any flooring defects once the floor was installed.** This warranty becomes invalid once any flooring panels with visible defects have been installed.

## **Installed Floors & Used Planks**

Grayton Products Warranty does not cover any claims related to incorrect type, model, collection, color, visible defects, or damages once the floor was installed. No claims will be honored, nor any replacement or refunds will be offered or issued once floor is installed. Complaints or claims concerning used planks will not be accepted. This warranty will be voided and will not apply if the flooring has not been installed, maintained, cleaned, and or cared for in accordance with our recommended installation and maintenance guide lines.

## **Job-Site Conditions & Installation Surface Deficiencies**

It is the sole responsibility of the homeowner or installer to determine if the job site conditions, environment, installation surface (Sub-Floor) is up to local building codes, are acceptable for Gen 5 and Gen 6 Flooring installation according to industry standards and regulations. Please make sure to evaluate the jobsite for potential problems before installation begins. Grayton Products Flooring warranty does not cover any failures resulting from, or related to, job-site environment/condition or subflooring deficiencies, moisture, unlicensed installers.

## **Installation & Installer Errors**

Grayton Products Flooring products must be installed in accordance with the Grayton Products Installation Instructions, using the appropriate materials, and accessories that have been recommended or approved by Grayton Products. It is also suggested that Grayton Products Flooring be installed by an experienced flooring professional. A professional installer should be able to provide evidence of past work either via references or show completed work. They will also be knowledgeable in inspections required before, during, and after installation of flooring. If flooring is not installed by a flooring professional; installer and homeowner assumes any risk of issues arising due to improper installation, and or any issues arising from improper Pre-Post installation inspections. Therefore, this warranty will be voided.

- Claims related to, or resulting from improper installation or installer errors.
- Claims related to, use of products or accessories that were NOT approved or recommended by Grayton Products.

### **Exceeded Recommended Conditions & Moisture Content**

Grayton Products Flooring products are made to perform best in relative humidity range of 30%-50%, and within a temperature ranging from 60° to 80° Fahrenheit. These conditions are usually the normal living conditions of any normal household. Therefore, it is the homeowner and/or installer responsibility to conduct extensive moisture testing to the sub-floor in order to ensure the designated installation surface meet Grayton Products Flooring installation guidelines and acceptable for installation. Therefore, this warranty will NOT cover:

- Any claims related to exposure to excessive moisture or improper environmental conditions (Humidity Changes). Installation prior to installation of HVAC unit.
- This warranty does not cover changes in floor color due to aging or excessive moisture.
- Even though Gen flooring planks are 100% waterproof, water can still accumulate in buildings or on building material, when water accumulates and allowed to settle for a while mold and, or mildew can occur. Grayton Products Flooring Gen 5 and Gen 6 floor warranty does NOT cover any damages resulting from mold and/or mildew growth due to prolonged exposure to moisture.

### **This Warranty EXCLUDE:**

- Surface wears or damages such as: Reduction in gloss, marks, scuffs, scratches, gouges, dents, cuts, splits, cracks, edge fracturing, end lifting, swelling, shrinking, pet urine, pet claws, cupping, and bowing that occurs during or after the floor has been installed and caused by abusive conditions, misuse of the product, severe impact, freight damage, modification, alteration, and repair or service of Gen floors by anyone other than those that are authorized by Grayton Products.
- Accidents such as, but not limited to, damage caused by scratching, severe impact, cutting, negligence, fire, and flooding.
- Damage caused by caster wheels, chair mats, rolling chairs, or vacuum cleaners (including beater bars).
- Failure to provide adduced furniture support with floor protectors that are at least one inch in diameter.
- Changes in color due to aging, exposure to sunlight or ultraviolet (UV) rays (which may cause oxidation of finish/stain) are not considered a defect.
- Natural expansion and contraction resulting in separation between boards.

## **Filing A Claim**

- In order to make a claim under this warranty, you must contact your Grayton Products sales manager within 30 days following the date of discovery or detection of wear-through, fading or staining. An original proof of purchase (including the date of purchase) must be presented when requesting warranty service.
- In the event of a claim meeting the conditions of the warranty Grayton Products will provide materials free of charge to repair or replace defective material. If it is determined that only a few planks replacement is required Grayton Products is not obligated to replace the entire floor. Labor costs associated with original installation, and or re-installation, will not be covered under this warranty. If the product for which the claim is made is discontinued or no longer available, the customer will be able to choose from Grayton Products current product range and select a product of equal value. Grayton Products warrants replacement products, for the remainder of the original warranty period only. This warranty DOES NOT cover material that has been purchased on closeout sales.

### **Right For Inspection**

Grayton Products reserves the right to inspect the installed floor and remove samples if needed for analysis purposes before any removal or repair occurs. Removal or repair of claimed floors prior to Grayton Products Flooring inspection will void any right to claim against this warranty.

### **DISCLAIMER**

GRAYTON PRODUCTS DISCLAIMS LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES INCLUDING DOWNTIME, LOSS OF USE OF FLOORING/FACILITIES/EQUIPMENT, LOSS OF PROFIT OR REVENUE. BREACH OF ANY EXPRESS OR IMPLIED WARRANTY AND DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THIS PRODUCT. THE ABOVE REMEDIES ARE THE CUSTOMER'S SOLE AND EXCLUSIVE REMEDIES FOR CLAIMS ON THIS PRODUCT.

This warranty is dated JAN 1, 2024 and supersedes all warranties previously issued by Grayton Products.

## GEN 5 & GEN 6 INSTALLATION INFORMATION

**Before you start, always refer to the recommended installation instructions, any deviation will void your warranty.**

Grayton Products Flooring utilizes 2 main locking systems: Valinge 2G and Uniclic, please refer to your flooring box to determine which locking system is utilized. Please refer to the YouTube videos below for more information and recommended instructions.

[UNICLIC explained - Basic locking profile for flooring \(youtube.com\)](https://www.youtube.com/watch?v=UNICLICexplained)

[Välinge Floor Locking Systems - Good Better Best \(youtube.com\)](https://www.youtube.com/watch?v=VälingeFloorLockingSystems)

Avoid constant exposure to excessive temperatures or direct sunlight for extended periods of time since this might cause planks to expand/separate or change color. When selecting a GEN FLOOR, please consider these variables when selecting your flooring product: Grayton Product Flooring does not need to be acclimated if stored and installed in a temperate-controlled environment, maintain between 60°F and 80°F. Additional acclimation must be considered when temperatures mentioned above are not met. Store flat and fully supported during shipping and storage. It is not necessary to remove material from packaging while acclimating. Allow the product to condition in the room where installation is to take place at a constant temperature between 60°F and 80°F or 18°C – 26°C, for a period of 48 hours prior to installation.

Slight variations in color and structure are designed to enhance the natural appearance of the product. Work from multiple cartons during installation and mix the planks to create a more uniform appearance.

**PRIOR TO INSTALLATION:** please check to verify color, shade, locking system, any obvious or minor defects. Grayton Products will not be held responsible for any defective materials installed. Any defective materials found prior to installation should be set aside for assessment. In facilities where walkers, wheelchairs (i.e.), residential and or with extended care use, or in facilities with movement of heavy displays, racks, dentist chairs, etc. These types of installations may exert extreme stress and compromise the locking system and or the face appearance and will void the warranty. Do not install under cabinets or toilets, cut around. Kitchen Cabinets and Islands: Kitchen Cabinets & heavy islands must NOT be installed directly on top of the flooring. (They should be installed prior to the installation of the flooring). A floating floor system should never be pinned down by heavy objects, this will void the warranty. This will limit the flooring's ability to expand and contract during seasonal change. Undercut all doorjambs and make sure to provide proper expansion space 5/16" (8mm) around all vertical obstructions. Do not fasten base moldings and or transition strips to the planks.

Installation Tools must be Rubber hammer, tape measure, pull bar, tapping block, cutting saw.

## **SUBFLOOR**

Although Gen Flooring planks are water/moisture proof, they are not to be used as a moisture barrier. A 6-mil poly moisture barrier (underlayment) is **REQUIRED** on all Grayton Products Flooring. Your subfloor should be completely dry prior to installation. Keep in mind that constant moisture Coming from the subfloor or topically, will cause mold/ mildew to be trapped underneath the product, contributing to an unhealthy environment. BIYORK CANADA will not warrant any flooring product based on damages created by excessive moisture.

Subfloors must be clean, structurally sound and flat within 3/16" in 10 feet (4.7mm in 4m) radius or 1/8" in 6' radius (3.3mm in 1.8mm). The subfloor should not slope more than 1" per 6 feet in any direction. Cracks or holes must be filled with a fast-drying setting cement based polymer modified patching compound or equivalent. Any unevenness over 3/16" (4.7mm) the high spots must be sanded down, low areas filled with patching compound to create a flat surface. Voids or humps in the subfloor will prevent the planks from locking properly. The subfloor must be clean of dirt, oil, glue residue, carpet tcks/staples or adhesive residue should be removed prior to installation. Some types of nails, such as common steel nails, may cause discoloration of the vinyl floor covering. Solvent based construction adhesives are known to stain vinyl floor coverings. All responsibility for discoloration problems caused by above mentioned products is **not** the responsibility of Grayton Products.

Gen 5 and Gen 6 Floors can have slight color variations in between production runs. Before starting the installation, it is best to check the production run # which is indicated on the label on the carton. If you find that you have cartons from different production runs, it is highly recommended to open cartons and mix of planks from each different production run on your floor. This will result in a more natural-looking floor.

DO NOT install your Gen Floors over soft subfloors such as carpet, floating floors, or cork underlayment over 2.5mm thickness, any foam underlayment. Subfloor requirements: solid surface no cracks, dry, clean, smooth. The surface hardness strength is required to be  $\geq 20\text{MPa}$ , without sand and dust.

Moisture requirements of the Subfloor: Moisture of the base subfloor (e.g. concrete) must be measured according to the relevant local standard:

Where the hygrometer test is specified the moisture of the subfloor must be less than 95% RH.

Where the calcium carbide test is specified construction moisture must be no more than 3% for cementitious screeds and no more than 1.4% for calcium sulphate

screeds. Where the calcium chloride test is specified, the moisture of the subfloor should be no more than 8 lbs. moisture/1000 sqft per 24 hours. For any subfloor showing a moisture value above these limits, then a suitable damp-proof membrane/moisture suppression system must be used. Note: some National Standards require the pH of the concrete slab to be controlled. Sub-floors/Screeds: any cracks and joints must be checked and repaired using a suitable repair system and the floor needs to be level in accordance with the applicable standard.

It is the installer's responsibility to determine if the subfloor is dry and flat within standards to begin with the installation.

We recognize that some subfloor constructions are more "bouncy or springy" than others. Therefore, by adding or increasing subfloor thickness it will help strengthen and limit vibration. By doing so, joist spans may be increased.

### **COMMERCIAL APPLICATION**

18.3mm) OSB subfloor / underlayment grade PS2 rated, sealed side down with joist spacing of 16" on center or less. Gen Floors have an attached IXPE 1mm underlayment. The flooring must be glued down with a pressure sensitive adhesive when used for traffic limited commercial applications.

The adhesive should be given sufficient time to cure and establish a bond between the substrate and the Hydrogen flooring. Before walking or placing furniture and appliances on a new floors, be sure to set the room temperature after installation and leave the appropriate drying time according to the adhesive manufacturer's instructions.

Be sure to remove any residual glue from the surface in a promptly manner if noticed (mineral spirits can be used for this process). Wipe off with a damp cloth, then dry off when adhesive is removed.

### **PROCEDURE. TIPS, and MAINTENCE**

Arrange with the Owner/Client on which direction the flooring should run since this influences the visual size ratio of the space. Install parallel to the longest wall or the main light-source is recommended for the best visual effect.

Pre-plan the floor by measuring the room first. If the width of the last row is less than 2" (5cm) saw the first and the last plank in equal width.

Snap the lines on the substrate to identify the layout reference points. Planks should be set using this reference to ensure boards are aligned and will lock together correctly.

While Gen 5 and Gen 6 is waterproof, it will still contract or expand according to extreme weather conditions, therefore appropriate expansion gap must be kept.

MAXIMUM RUN before transitions are required is 80 ft x 80 ft.

Adequate expansion space is still required around all perimeter and vertical obstructions. Cover the expansion space with suitable moldings.

We do recommend the use of transitions between doorways or bedrooms, or between different floor coverings where they meet.

- Regular cleaning is a proven way to help keep your SPC flooring in top shape.
- Establishing a regular maintenance regime will keep your floors looking beautiful for years to come.
- Sweep/Vacuuming: Sweep at least one a week to remove any dusty loose dirt, small pebbles. Before vacuuming, make sure you are not using the beater bar.
- Mop: Never use abrasive cleaners on Hydrogen only use recommended/ approved vinyl floor cleaners, no excessive water. Along with a microfiber cloth.
- Harsh Chemicals: Do not use vinegar or one step cleaners/polishing agents or oil soaps on Gen Products. These products can leave a film or residue, change the sheen level, and affect the wear layer over time.
- Never use a steam cleaner on Gen. The hot steam is doing more harm than good to your SPC flooring. The excessive heat together with the moisture that seeps in the joining edges can weaken the adhesive bonds and layers of the floors structure. It will also cause irreversible damage like warping edge cupping, bending, and bubbling of the plank or tile.
- Spills: Clean up any spillage instantly by simply wiping it off with a damp cloth. Be sure to wipe the area dry once you're done. (the longer the spills are left unattended the more likely they are to permanently stain the flooring). However, some stubborn stains are more difficult to remove. Common stains like juices, red wine, food and grease, marker pens, paint, or lipstick. Apply mineral spirits to a clean cloth to slowly release the stain. Once the stain has been lifted use another damp cloth with water to clean up the stain, this also helps dilute the mineral spirits off the surface. Dry off when complete.

- Minimize dirt: Invest in a good quality rug, non- stain or non- rubber backed doormat in front of all entrances to prevent any sand, loose soil, grit, dust, and other dirt being carried into the house. It is best to place a doormat at every entry point.
- No Shoes: One of the most effective ways to reduce dirt: simply adopt the 'no shoes' policy. This can further eliminate possible dirt from outdoors and maintain SPC floor hygiene at the same time. Adopting the no shoe policy will cut down the chances of scratches caused by stones and sand that are carried along when you have your shoes on. Stiletto shoes should not be worn on the flooring as they can cause permanent damage.
- Heavy Protection: Protect your SPC flooring with quarter – inch plywood, or cardboard when moving furniture or changing out appliances. This will help prevent scratches and scuff marks.
- Pets: If you are a pet lover, do watch out as animals' nails will also leave scuff marks on your floor. Trimming the nails and claws of your pet regularly will help minimize potential scratches. Discoloration from pet urine is not covered.
- Future Protection: Another way to avoid unwanted scratches and scuff marks is to install felt pad protectors underneath tables, chairs, desks, couches etc. As most furniture items in the home are constantly moving and sliding on the flooring, felt pad protectors will help eliminate and protect the flooring from surface scratching. They should be checked and replaced when required. Check the condition of all casters or rollers on the furniture before placing the furniture on the floor.
- Sunlight and Excessive Heat: Prolonged exposure of direct / extreme sunlight may cause your SPC flooring to fade, become dull or discolor. Hydrogen floors must be protected from direct sunlight. We recommend the use of blinds or curtains on all windows that allow direct or extreme sun exposure. This will also help limit uncontrollable heat. Flooring exposed to excessive heat can be affected by thermal expansion, which can cause the floor to bend or undulate.
- Grayton Products is not responsible for any damage or defects caused from the effects of the sun. Follow our cleaning and maintenance guidelines to properly maintain your investment.
- In the case of any repairs required to the flooring in the future, we recommend homeowners have 1 extra carton of material stored in a temperature controlled area.
- Final inspection of the installation rests with the homeowner or the installer

Rigid Core Product Technical Data								
Product Information								
Plank Size (Length x Width x Height)		Edge Profile	Finish	Underlayment	Wear Layer	Gloss Level	Installation	Radiant Heat
48"X7.2"X5mm		Micro Bevel	Overall Embossed	1mm EVA	20mil/0.5mm	3-6°	Valinge 2G Click Float	Approved
Warranty		PACKAGING						
Residential	Light Commercial	Planks Per Carton	Square Footage Per Carton	Carton Dimensions (Length x Width x Height)		Carton Weight	Cartons Per Pallet	Square Footage Per Pallet
25 Years	5 Years	10	24.22SF	1245x193x54		18.5KG	55	1332.1SF
TESTING								
Reference				Test Method		Test Request		Result
Dimensional Stability				EN ISO 23999:2012/ISO 23999:2008		Residential≤0.25% Light Commercial≤0.2%		Pass
Impact Sound Reduction (IIC)				ASTM E492-09(2016)ε1		Based on actual data		IIC=65
Sound Transmission Class (STC)				ASTM E90-2009(R2016)		Based on actual data		STC=60
Reference				Test Method		Test Request		Result
Determination of Thicknes				ASTM F387-1		Tmax-Tmin≤0.5mm, ΔTavg: ≤0.5mm		Pass
Determination of Squareness				ASTM F2055-17		Qmax≤0.25mm		Pass
Determination of Straightness						Smax≤0.25mm		Pass
Flatness				ISO24337:2006		For width≤229mm	±0.2mm	Pass
						For other width	f <sub>Wconcave</sub> ≤0.15%	Pass
							f <sub>Wconvex</sub> ≤0.2%	
						For length	f <sub>Lconcave</sub> ≤0.15%	
							f <sub>Lconvex</sub> ≤0.2%	
Thickness + Wear Layer				ASTM F410		0.0189 in. (0.48mm) minimum		Pass
Resistance to Heat				ASTM F1514		ASTM F1700, 6.9 Not greater than 8.0 after 7 day exposure to 158°F (70°C)		Pass
Resistance to Light				ASTM F1515		ASTM F1700, 6.10 Not greater than 8.0 after a 300 hour exposure		Pass
Residual Indentation				ASTM F1914		Residual Indentation ≤ 8%		Pass
Static Load Resistance				ASTM F970- 17		For commercial only Max. residual indent≤0.13mm		Pass
Castor Chair Resistance				NALFA LF 01-2011		No Visible Damage		Pass
Dimensional Stability				ISO 23999:2008 (70℃, 6h)		Residential≤0.25% Light Commercial≤0.2%		Pass
Curling						≤2mm		Pass
Critical Radiant Flux				ASTM E648-17a		Follow Test Report		>1.12w/cm2
Micro-scratch Resistance				EN 16094:2012, Procedure B		MSR-B1		MSR-B1
Wear Resistance				ASTM D4060-14		Follow Test Report		Pass
Static Coefficient of Friction				ASTM C1028-07ε1		Follow Test Report		Dry 0.99 Wet 0.19
Resistance to Chemicals				ASTM F925- 13		Slight Change maximum in Surface Dulling, Surface Attack, or Staining		Pass
Soluble Heavy Metal				ASTM F963		≤ 100PPM		
VOC				Floorscore		Pass		
Phthalate				ASTM F963		≤ 1000PPM		Not Detected

GRAYTON DISTRIBUTION GEN 6 PLANK TECHNICAL DATA									
PRODUCT INFORMATION									
Plank Size (Length x Width x Height)		Edge Profile	Finish	Underlayment	Wear Layer	Gloss Level	Installation	Radiant Heat	
48"X7"X6mm		Painted Bevel	Random EIR	1mm IXPE	20mil / 0.5mm	5-7°	Uniclic & 2G Float	Approved	
WARRANTY		PACKAGING							
Residential	Commercial	Length		Square Footage Per Carton	Carton Dimensions (Length x Width x Height)		Carton Weight	Cartons Per Pallet	Square Footage Per Pallet
30 Years	10 Years	48"		23.76 SF	1230X189X63mm		22 KG	40	950.40
TESTING									
Reference				ASTM Norms		Test Request		Result	
Expansion After Exposure to Heat (50°C)				ASTM F2199-09		≤0.6mm/m	≤0.6mm/m	Pass	
Impact Sound Reduction (IIC)				ASTM E492-09		Based on actual data	Based on actual data	IIC=72	
Sound Transmission Class (STC)				ASTM E90-09		Based on actual data	Based on actual data	STC=68	
Reference				ASTM Norms		Test Request		Result	
				ASTM F387-17	Tmax-Tmin≤0.5mm, ΔTavg: ≤0.5mm	Pass			
				ASTM F2055-17	Qmax≤0.25mm	Pass			
					Smax≤0.25mm	Pass			
Thickness + Wear Layer				ASTM F410		0.011 in. (0.27mm) minimum		Pass	
Resistance to Heat				ASTM F1514		ASTM F1700, 6.9 Not greater than 8.0 after 7 day exposure to 158°F (70°C)		Pass	
Resistance to Light				ASTM F1515		ASTM F1700, 6.10 Not greater than 8.0 after a 300 hour exposure		Pass	
Residual Indentation				ASTM F1914		Residual Indentation ≤ 8%		Pass	
Formaldehyde Emission				ASTM D6007-14		Follow Test Report		Not Detected	
Residual Indentation Static Load				ASTM F970-17		250 psi, ≤ 0.005 inch		Pass	

Castor Chair Resistance	NALFA LF 01-2011	No Visible Damage	No Visible Damage
Wear Resistance	ASTM D4060-19	Follow Test Report	Pass
Dimensional Stability and Curling	ASTM F2199-09	Max : MD&CD :1.67mm/m <sup>2</sup> Curling: 2.0mm	Pass
Classification of Smoke Development (Flammability Test)	ASTM E648-10	Follow Test Report	Class I
Vertical Burning	UL 94-2013	Follow Test Report	V-0
Slip Resistance	ASTM D2047-11	Follow Test Report	Dry: > 0.7
Peel Resistance	ISO 24345-2006	X Direction: 100N/50mm Y Direction 75N/50mm	Pass
Resistance to Chemicals	ASTM F925-13	Slight Change maximum in Surface Dulling, Surface Attack, or Staining	Rating: 0 No Change
Soluble Heavy Metal	ASTM F963	≤100PPM	Pass
VOC	Floorscore	Pass	Pass
Dimensional Stability of Resilient Floor Tile after Exposure to Heat	ASTM F2055-17	Squareness = 0.010 inch (0.25 mm) maximum) Size and Tolerance = + 0.016 inch/linear foot (0.4 mm/305)	Pass
Phthalate	ASTM F963	≤1000PPM	Not Detected (≤60PPM)