



HARDYPLAST®

WPC - replacing wood, plywood.



SPC (Stone Polymer Core) is a revolutionary new flooring product. Consisting of extruded stone, SPC has an array of new features not found in any other composite flooring product category. SPC is 100% water proof, and is warranted for environments with extreme temperature variations such as sun rooms and 3 season cottages. SPC will remain dimensionally stable from -40 degrees Celsius all the way up to +40 degrees Celsius.

SPC can also be installed in large format installations, 100" by 100", without any transitions, which gives SPC its unique characteristics.

SPC Floor is the second generation of vinyl flooring which was produced by extrusion moulding. It's rigid core bring excellent quality of size stability, strong click make the installation easily.

Stone Polymer Composite (SPC) vinyl flooring is considered to be an upgraded version vinyl flooring. SPC vinyl flooring is set apart from other types of vinyl flooring by its uniquely resilient core layer. This core is made from a combination of natural limestone powder, polyvinyl chloride, and stabilizers. This provides an incredibly stable base for each flooring plank. You can't tell that is what's inside these floors once they're installed. The floors look like any other engineered vinyl floors, with the core completely hidden underneath.

WPC
BOARDS

WPC
DOOR FRAMES

WPC
DOORS

WPC
DECKING

PVC
LAMINATES

3D PVC
PANELS



Water
Proof



Termite
Proof



Borer
Proof



Fire
Retardant



Recyclable



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FAQs

What's SPC flooring?

SPC Flooring-Rigid Vinyl Plank (RVP) is an upgrade and improvement of regular Luxury Vinyl Tiles (LVT), so also called rigid core LVT. SPC represents stone plastic composite. The main content of SPC are Nano-sized calcium carbonate powder (CaCO3), polyvinyl chloride (PVC) and stabilizer.

SPC flooring is considered the new generation of LVT. Surface is same as LVT, so looks exactly same. The difference is about the core-PVC middle layer. Chemically, SPC has higher PVC content and less plasticizer compare to LVP. Physically, it's more rigid. And it has less thermal expansion, fit for area has large temperature change or very strong sun light exposure. The hard core of SPC also improve the scratch resistance during the daily use. Can load heavy stuff for long time without dent. SPC flooring is 100% waterproof, can be installed in wet areas and will never swell when exposed to water. The product does not require acclimation and can be floated over most any existing floor surface, like concrete, ceramic or existing flooring.

The high resolution pattern of the image layer makes the product looking like the genuine wood. The advanced printing technology can create multi-tone design, which combines 5 different planks in 1 repeat, making the flooring looks more natural and beautiful.

SPC Flooring Vs SPC Vinyl Flooring Vs PVC Flooring Vs Vinyl Flooring Vs PVC Flooring Planks Vs PVC Flooring that Looks Like Wood...Is there any difference between these different names?

The short answer is no, there is no difference between these names. SPC flooring, PVC flooring and Vinyl flooring are one and the same. PVC stands for Poly Vinyl Chloride and while that is the accurate definition of what vinyl flooring is made from it is hardly a description that rolls off the tongue!

PVC is also used for more than just flooring...most pipes and our ceiling and wall panels are made from PVC, most of cabling is covered in PVC.You'll no doubt be familiar with PVC clothing!

Is PVC Vinyl Flooring really healthy?

PVC doesn't necessarily mean healthy. It really depends on what raw material the manufacture use. The stabilizer may have high lead content. And popular plasticizer-phthalates, may cause cancer. A significant amount of vinyl scrap is collected and recycled. If the scrap come from unknown source, it may also have toxic element. Cheap flooring usually means unhealthy.

What we can claim is that our PVC vinyl flooring is clean and healthy, because both our raw materials and our products are thoroughly tested regularly to make sure we can continuously offer our customer healthy product. Our stabilizer is lead free. And we don't use phthalates. No outside scrap is used.

PVC Vinyl itself is clean. As the material of choice for blood bags and tubing, vinyl helps to maintain the world's blood supply and supports critical healthcare procedures such as dialysis. As a packaging material, PVC helps to keep food safe and fresh during transportation and on store shelves, and it provides tamper resistant packaging for food, pharmaceuticals and other products. Because it will not rust or corrode, PVC is widely used in water pipes to deliver clean, safe-to-drink water and in sewer pipes to ensure the integrity of wastewater handling systems. PVC's resistance to breakdown under high electrical voltage and its ability to bend without cracking make it the leading material for wire and cable insulation. PVC's toughness and durability make it the most widely used plastic for building and construction applications such as siding, windows, roofing, fencing, decking, wall coverings, wall protection and base, and floor covering.

WPC BOARDS	WPC DOOR FRAMES	WPC DOORS	WPC DECKING	PVC LAMINATES	3D PVC PANELS
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Water Proof



Termite Proof



Borer Proof



Fire Retardant



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Do PVC Vinyl Flooring have any impact on indoor air quality?

Products emitting low levels of VOCs (volatile organic compounds) should be considered when selecting interior products. Any VOCs that are emitted from floors containing vinyl are dissipated quickly through normal ventilation. Vinyl products will not adversely impact indoor air quality in normal use.

A significant indoor air quality advantage of vinyl flooring is that it is impervious to moisture, so spills will not penetrate surfaces where such moisture could lead to microbial growth. Also, a study published in the American Journal of Infection Control (August 2000) supports the use of easy-to-clean surfaces such as vinyl in healthcare settings as a way of controlling pathogens and promoting a sterile environment. This is one of several reasons why vinyl flooring is widely accepted and specified by hospital and healthcare designers.

How do PVC Vinyl Flooring behave in accidental fires?

PVC has excellent fire performance qualities. PVC Vinyl building products are based on a naturally fire retardant polymer, and some flexible products like vinyl flooring and carpet backing contain non-combustible additives and fillers such as calcium carbonate that further improve the fire performance of the material. PVC is one of the few materials meeting the stringent requirements of the National Electrical Code of the National Fire Protection Association for insulating electrical cords and wires and data transmission cables, even in plenum applications. In addition, floors containing vinyl meet the requirements of relevant national building codes. Carpets are required to pass the Federal Flammability test DOC FF 1-70 which ensures they will not propagate the spread of flame in the early stages of a fire.

The PVC industry and third-party organizations have conducted research on the combustion toxicity of vinyl products. The contribution of the combustion products from floors containing vinyl to the overall toxic threat of fires containing many types of combustibles is not significant. The Pittsburgh Protocol is a standard test method for evaluating the combustion toxicity of floor covering products. In this test, PVC vinyl flooring is no more toxic than when burning than red oak wood.

Fire scientists recognize that the largest hazard in a fire is carbon monoxide (CO), an odorless asphyxiant gas produced in abundance by all organic materials, natural and synthetic. The mix of gases produced when vinyl products burn is very similar to those of other common materials, including wood and fabric.

Hydrogen chloride (HCl), an irritant gas having a pungent odor, is produced when vinyl burns and is detectable in very small quantities long before it reaches a dangerous concentration. An argument can be made that HCl can act as an early warning that there is a fire, and alert occupants to evacuate. HCl is unique in that its concentration in the air decreases rapidly when it reacts with humidity and most construction surfaces, like cement block, ceiling tile and gypsum board.

How to maintain PVC Vinyl Flooring?

PVC vinyl flooring is popular because it is affordable but also because it is so easy to care for. Unlike hardwood flooring or cork flooring, it stands up well to water, so you can use a mop with plenty of warm, soapy water for the cleaning. Just make sure you mop up excess water afterwards.

All flooring needs to be cleaned and maintained to look good and last as long as possible. The key with PVC vinyl flooring is to get dirt, sand and debris off it. These materials are abrasive, and if you walk on them repeatedly, they will scratch, mar and dull the floor's finish. Be careful not to use

abrasive cleaners and make life easier on your flooring by adding doormats at the entrances to your home. Sweep your floors a couple of times per week or more, depending on the level of traffic they receive. You can use a vacuum cleaner, but choose one that is made for hard flooring. It either won't have a beater bar or will have a "Hard Floors" mode that doesn't use the bar. A bristled, rotating bar will mar these flooring types. Once the dust is up, use a floor cleaner designed for PVC vinyl flooring and mix it with warm water. Be sure to rinse the floors well since soap residue can dull the floor's shine. A damp mop and warm water works very well. PVC Vinyl floors should not be waxed.

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Water Proof	Termite Proof	Borer Proof	Fire Retardant	Recyclable	



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BENEFITS OF SPC

Waterproof: One of the biggest benefits of choosing SPC vinyl flooring is that it has a completely waterproof core. Unlike hardwood, it can be installed in areas of the home such as laundry rooms, bathrooms, basements, and kitchens. The waterproof feature also makes this board more stable in environments where moisture and temperature can fluctuate.

Easy installation: Many homeowners appreciate that SPC floors are easy to install. They can be placed on top of many different types of subfloors or existing flooring. Most designs simply click into place, eliminating the need for messy and complicated glues.

Affordability: While it is more expensive than standard vinyl flooring, SPC vinyl floors are generally less expensive than other types of luxury flooring, such as hardwood and stone. In addition, homeowners can often install the floors without professional assistance, so DIY installation of SPC flooring can save even more money on this upgrade.

Style: SPC vinyl flooring is like standard vinyl in that it is available in a wide range of colors and patterns. Some of the SPC flooring styles are designed to look like hardwood, tile, or other types of flooring. The wide range of options is preferable for those who want to be able to customize the look of their home.

Comfort: The thick, stable bottom layers of each plank make SPC flooring more cushioned than other types of flooring. The thicker the plank you choose, the more comfortable it will feel underfoot. These dense layers also contribute to a quieter sound when walking on SPC floors; they usually do not have a hollow or thin sound like standard vinyl often does.

Easy maintenance: SPC rigid vinyl flooring is very durable. Because it is incredibly dense, it's resistant to impacts, stains, scratches, and wear and tear. This flooring style is a great choice for busy households because in addition to holding up well, it is easy to keep clean. Maintenance involves only regular vacuuming or sweeping and occasional mopping. Over time, this type of flooring will resist fading, peeling, and cupping, and it can withstand being directly exposed to sunlight.

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SPC FLOORING CHARACTERISTICS

Raw material is environment protection and healthy. We are using virgin PVC resin and Calcium-zinc PVC stabilizer. Superior antiskid. Wear layer of SPC floor is a special skid resistance layer, there will be a higher friction when wet. So it can meet high requirement of public security.

Antimildew and antibacterial. Special treatment of the flooring surface has strong bactericidal and bacteriostatic effect. Warm and comfortable. SPC floor is the first choice of under floor heating room.

Insanely thin and light. Thickness is from 3.2mm to 6mm which is less than common ground material. This can save the space of the room.

Waterproof and damp proof. Main material is PVC resin no appetency with water.

High grade anti-abrasion, high strength. The wear-resisting revolution can be up to 25000 turns. And the design working life can be up to 30 years.

Environmentally-friendly and renewable. SPC floor is a renewable utilizable floor decorative material.

Fire retardant. SPC floor fire rating is Grade Bf1. Flame retardant, not spontaneous combustion, leave the flame automatic out in 5 seconds without toxic or harmful gases.

Sound absorption and noise reduction. SPC floor sound-absorbing 20 decibels.

High-elasticity, high safety. SPC floor has a soft texture and comfortable feet feeling. There is a big reducing the proportion of fell down and injured in the large flow space by covering the SPC floor.

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