

Ardia™

impressions for generations

Innovotiq Series

SPC Flooring

SGS

floor
score

CE

ISO

ISO 9001
Quality Management System

ISO

ISO 14001
Environment Management System

ABOUT ARDIA SPC FLOORING

SPC flooring is a modern flooring material, which is well ahead by inborn waterproof, rigid and dimensionally stable. As an extruded core material, the SPC core is a composite material made of calcium carbonate, polyvinyl chloride and stabilizer.

The wear layer and color films are pressed on the SPC core after the extruding. E.I.R finish and beveled v-grooves bring the real wood feeling for SPC flooring.

Top and stable aspect, fast production leading time, various beautiful colors, real wood surfaces, comfortable facilities & long warranty, ARDIA is the reliable partner for your SPC flooring



BENEFITS OF ARDIA SPC FLOORING



100%
WATERPROOF



WILL NOT
EXPAND
OR CONTRACT



EASY
TO INSTALL



INSTALLATION
ON ANY SURFACE



SUPERIOR
SCRATCH
RESISTANCE

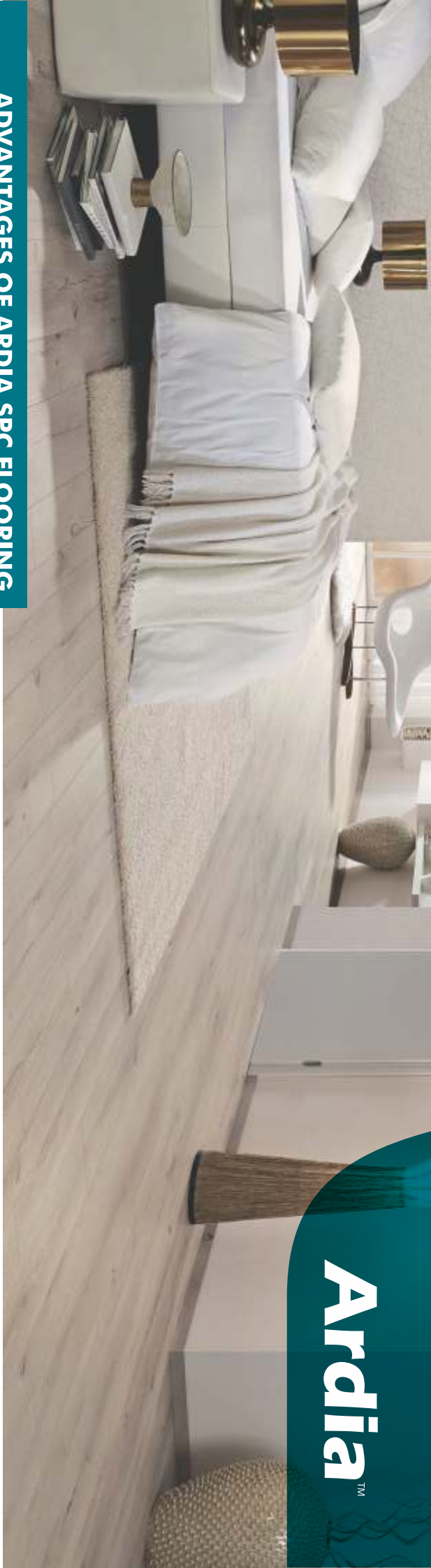


REDUCES NOISE



PET PROOF





Ardia™

ADVANTAGES OF ARDIA SPC FLOORING

WATERPROOF AND DAMNPROOF

As the main component of SPC is stone powder, so it performs well with water, and mildew will not happen with high humidity.

FIRE RETARDANT

According to the authorities, 95% of the victims were burned in the fire caused by the toxic fumes and gases. The fire rating of SPC flooring is NFPA CLASS B. Flame retardant, not spontaneous combustion, leave the flame automatic out in 5 seconds, won't produce toxic of harmful gases.

DIMENSIONALLY STABLE

Exposed to 80° heat, 6 hours----Shrinkage $\leq 0.1\%$;
Curling $\leq 0.2\text{mm}$

NO FORMALDEHYDE

ARDIA SPC is high quality stone powder & PVC resin, without harmful material such as benzene, formaldehyde, heavy metal.

HIGH ABRASION

SPC flooring has a transparent wear-resisting layer, whose revolution is up and higher than 10000 turns.

SUPERFINE ANTI-SLIPPING

SPC flooring has special skid resistance and wear-resisting layer of the floor. Compared with common floor, SPC flooring has higher friction when it's wet.

NO HEAVY METAL, NO LEAD SALT

The Stabilizer of ARDIA SPC is Calcium zinc, no lead salt heavy metal.

STAIN RESISTANCE

SPC floor surface has been managed to use a special process and special UV coating, and is easy to clean. Milks, paints and other stains are easily to clean by wet mops.

ANTI SCRATCH

The surface of SPC flooring is thick and protected by the pearl painting, which is better to resist the scratch. Pets do not make damages on the SPC flooring.

LOW REQUIREMENT OF SUBFLOOR

Compared to traditional LVT, SPC flooring has a distinct advantage because it is rigid core, which can hide many imperfections of subfloor.

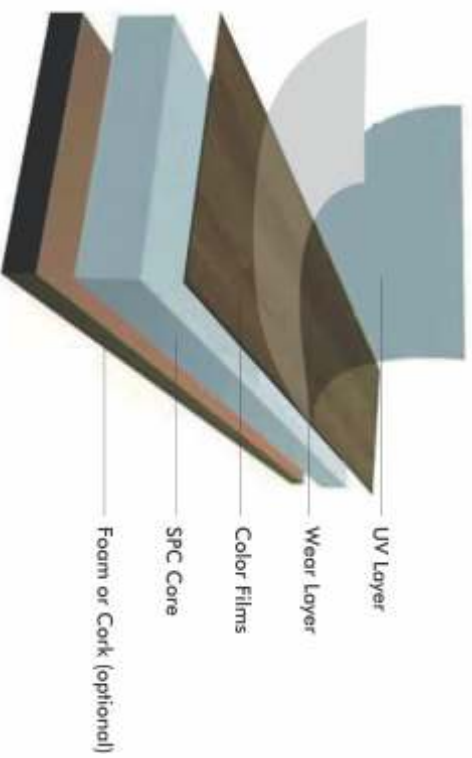
FAST INSTALLATION

The click system of SPC floor help people in installation, which can be installed on tiles or floors, and the installation of one room can be finished in 1 or 2 hours. People can even DIY.

BIG AREA INSTALLATION

For big area, people should leave small gaps in installation every 20-40sqms, because of the expansion of flooring. While SPC flooring is extremely stable which people can install in big area without gaps, like 100-200sqm.

STRUCTURE OF SPC FLOORING



TECHNICAL DATA

SPC Flooring Thickness : 4.0 mm

SPC Flooring Dimension : 1220 x 184

SPC Flooring Abrasion : 0.30 mm

SPC Flooring Surface Types : Light Embossed

SPC Flooring Click : Unilin click



COLOURS OF ARDIA SPC FLOORING



CHERRY - DXJ96002 - 2



DARK WALNUT - DXJ93006 - 9



OAK - DRM1025 - 1



BURMISE TEAK - DJC86536 - 1



AMERICAN WALNUT
- DJC86567 - 1



PEARL GREY - DJC86541 - 1



STONE GREY - DJC86510 - 4

TECHNICAL DATA

Description	Standard	Symbol	Requirements	Results
Identification	EN ISO 10582	N/A	Type I: Wear Layer Binder Content ≥80%	Passes Requirements
Classification (Level of Use)	EN ISO 10582 EN ISO 10582		Domestic - Heavy (Class 23) Commercial - Light Wear Layer (Nominal) ≥ 0.30mm Thickness (Nominal) ≥ 1.5mm	Qualified
Thickness of the Element (T)	EN428		Average ≤ 0.20mm, relative to nominal value, T Max - T Min ≤ 0.20mm	Qualified
Length of the Surface Layer (L)	EN426		For the nominal values given, no Measured value shall exceed L ≤ 1220.5mm ; L ≤ 1.0mm	Qualified
Width of the Surface Layer (W)	EN426		W average ≤ 0.10mm, relative to nominal value, W Max - W Min ≤ 0.20mm	Qualified
Strength of the Surface layer (S)	EN426		S Max ≤ 0.20mm/m	Qualified
Squareness of the Elements (Q)	EN434	N/A	Q Max ≤ 0.35mm	Qualified
Dimensional variations after exposure to heat (80± 2 C)%	EN434	N/A	X average ≤ 0.15% Y average ≤ 0.15%	Qualified
Flatness of the element (F)	EN434	N/A	Maximum single value : F W concave ≤ 0.15% F W convex ≤ 0.20% F L concave ≤ 0.50% F L convex ≤ 1.00%	Qualified
Curling after exposure to heat (C)	EN434	N/A	C average ≤ 1.20mm, C max ≤ 1.50mm	Qualified
Peel Resistant (the force to separate layers of flooring)	EN431	N/A	P average ≥ 75N	Qualified
Flexibility	EN435		No cracks (20mm Mandrel)	Qualified
Residual Indentation	En433		≤ 0.1mm	Qualified

Description	Standard	Symbol	Requirements	Results
Castor Chair	ISO4918		After 25,000 cycles : Delamination – None Apperarnace <<= slight change	Qualified
Color Fastness to light	ISO105-B02		≥ Level 6 Blue wood scale	Qualified
Fire Resistance	EN13501-1		Flame retardant B1	Qualified
Formaldehyde Emission	EN717-1		E0 standard (≤ 0.05mg/m ³)	Qualified
Slip Resistance	DIN51130		Grade R10 : ≥10° and <19°	Qualified
Chemical Resistance	EN423		E1 standard (≤ 1.5mg/L)	Qualified



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info@ardia.in