

	思美特聰明墊® SmartLay®Underlayment	其他產品 Other Brand
成份Compound	100% 環保橡膠顆粒，橡膠泡棉顆粒以及PU泡棉顆粒 100% recycled rubber crumb, rubber foam and PU foam	不低於80%的環保橡膠顆粒 Minimum 80% recycled rubber crumb
厚度Thickness	3mm-10mm	3mm-5mm
密度Density	450-800 kg/M ³	≤ 450 Kg/M ³
黏貼施工Installation	單面黏貼 & 雙面黏貼 Single-Stick & Double-Stick	單面黏貼Single-Stick
撞擊聲改善量 Measured Improvement of Impact Sound (ΔLw)	19dB (測試環境：120mm水泥樓板，無地板面層，無天花系統 Tested on 120mm concrete floor with no floor covering or ceiling system)	19dB (測試環境：150mm水泥樓板，無地板面層，無天花系統 Tested on 150mm concrete floor with no floor covering or ceiling system)
撞擊聲隔音等級 Impact Insulation Class (IIC)	55dB (測試環境：120mm水泥樓板，無地板面層，無天花系統 Tested on 120mm concrete floor with no floor covering or ceiling system)	55dB (測試環境：150mm水泥樓板，無地板面層，無天花系統 Tested on 150mm concrete floor with no floor covering or ceiling system)
防火等級 Reaction to Fire (DIN4102)	B1/ B2	Flammable
防水性能 Waterproof Performance	雙面防水層結構 With two waterproof layers on both sides	在某些情況下需要安裝DPM膜 DPM (Dampening Prevention Membrane) should be placed under certain situation

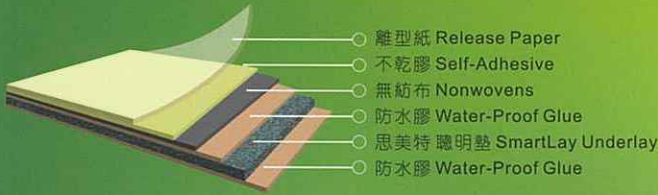
思美特聰明墊 SmartLay Underlayment (Patent Pending)

思美特聰明墊是一款自帶背膠和防水系統的多孔多介質隔音減震產品，不僅擁有優異的隔音減震性能，還一改傳統的施工方式，讓施工成為一種樂趣，是最時尚的現代建築材料且應用廣泛。

SmartLay Underlayment is a porous-media & multi-media and sound-proof & anti-vibration product with self-adhesive and water-proof functions. It not only has excellent sound-proof and anti-vibration performance, but also reform the traditional ways of installation, which makes the installation a kind of joy. And thus, SmartLay Underlayment is a fashion, modern and versatile building material.



產品結構 Product Structure



雙面防水系統，與地基接觸面不帶背膠，與面層應用地板接觸面帶高黏性背膠
Water-proof system on both sides, the side to the subfloor is without self-adhesive and the one to the floor surface is with high-grab self-adhesive

優點 Benefits

- 自帶背膠，無需膠水和釘子
- 施工簡單快捷，省時省人工，減工序
- 擁有三道嚴密防水系統
- 不損害地基
- 穩定性能好，經久耐用
- 環保無味無毒，低VOC
- 抗菌抗過敏，耐腐蝕
- 極佳絕熱產品，可搭配或替代地熱系統
- 隔音減震性能優異
- 抗疲勞，腳感舒適
- 應用場所廣泛
- 10年以上品質保證

- ☆ Self-adhesive, No more glue and nails
- ☆ Easy and quick installation, Reduce time and cost
- ☆ With three unique water-proof systems
- ☆ No damage to the subfloor
- ☆ High stability and durability
- ☆ Eco-friendly, Odorless, Non-toxic, Low VOC
- Anti-bacteria, Anti-allergy, Resistant to corrosion
- Fantastic thermal insulation product, can be used with or replace underfloor heating
- Excellent acoustic and Anti-vibration performance
- Anti-fatigue, comfortable underfoot
- Versatile
- At least 10 years guarantee

產品規格 Specification

產品 Product	規格 Roll Size	厚度 Thickness
思美特聰明墊 [®]	1m*20m	3mm
SmartLay [®] Underlayment	1m*12.5m	5mm

備註 Remark:

1. 密度範圍: 450-800 kg/M³, 可依客戶定量及需求定制
Density from 450 kg/M³ to 800 kg/M³, as customer request depending on order quantity
2. 防火等級有B1級和B2級, 可依客戶定量及需求定制
Building Fire: B1 or B2, as customer request depending on order quantity
3. 厚度範圍: 2mm-10mm, 可依客戶定量及需求定制
Thickness from 2mm to 10mm, as customer request depending on order quantity
4. 特殊規格和要求的產品或者片材產品, 請諮詢UniRoll技術部門
Special request or product in sheet form, pls contact UniRoll technical department

PVC地板應用 (LVT片材地板, LVT鎖扣地板, PVC卷材)
PVC Floor Application (LVT, Clicking System, PVC Rolls)

應用 Applications

	思美特聰明墊® SmartLay®	
	3mm	5mm
LVT地板 Luxury Vinyl Tiles	✓	✓
LVT鎖扣地板 Clicking System	✓	✓
PVC卷材 PVC Rolls	✓	✓



施工步驟 Installation Procedures

將思美特聰明墊® 攤鋪
或安裝在地基上
Install or Loose Lay
SmartLay® Underlay
to the subfloor



將與LVT地板接觸面
的離型紙撕開
Peel off Release Film
the LVTs



安裝LVT地板
Install LVTs



隔音性能 Acoustic Performance

面層地板 Floor Covering	思美特聰明墊® SmartLay® Underlayment	隔音效果 Acoustic Performance
無面層地板 No Flooring Covering	3mm	19 dB (ΔL_w) / 50 dB (IIC) 在120mm水泥樓板上 on 120mm Concrete Screed
無面層地板 No Flooring Covering	5mm	23 dB (ΔL_w) / 56 dB (IIC) 在120mm水泥樓板上 on 120mm Concrete Screed
LVT (2mm)	3mm	54 dB (IIC) 在120mm水泥樓板上 54 dB (IIC) on 120mm Concrete Screed
LVT (2mm)	5mm	59dB (IIC) 在120mm水泥樓板上 59dB (IIC) on 120mm Concrete Screed

木地板/竹地板地板應用 (榫槽系統, 鎖扣系統, 非鎖扣系統)
Wooden/ Bamboo Floor Application
(Tongue and Groove Joint System, Clicking System, Non-Clicking System)

應用 Applications

	思美特聰明墊® SmartLay®	
	3mm	5mm
榫槽系統與鎖扣系統 Tongue and Groove Joint System & Clicking System		
實木地板 Solid Wood	✓	✓
複合木地板 Engineered Wood	✓	✓
竹地板 Bamboo	✓	✓
非鎖扣系統 Non-Clicking System		
鑲木地板 Parquet Planks	✓	✓



施工步驟 Installation Procedures

將思美特聰明墊® 攤鋪
或安裝在地基上
Install or Loose Lay
SmartLay® Underlay
to the subfloor



將與木地板/竹地板
地板接觸面的離型
紙撕開
Peel off Release Film
on the side to the Wooden
Floor/ Bamboo Floor



安裝木地板/竹地板
Install Wooden Floor/
Bamboo Floor



隔音性能 Acoustic Performance

面層地板 Floor Covering	思美特聰明墊® SmartLay® Underlayment	隔音效果 Acoustic Performance
無面層地板 No Flooring Covering	3mm	19 dB (ΔL_w) / 50 dB (IIC) 在120mm水泥樓板上 on 120mm Concrete Screed
無面層地板 No Flooring Covering	5mm	23 dB (ΔL_w) / 56 dB (IIC) 在120mm水泥樓板上 on 120mm Concrete Screed
Engineered Wood (12mm)	3mm	68 dB (IIC)
Engineered Wood (12mm)	5mm	71 dB (IIC)

地毯應用 Carpet Application

應用 Applications

	思美特聰明墊® SmartLay®	
	3mm	5mm
寬幅地毯系統 Broadloom Carpet System		
簇絨地毯 Tufted	✓	✓
機織地毯 Woven	✓	✓
纖維粘合地毯 Fibre Bonded	✓	✓
天然纖維地毯 Natural Fibre	✓	✓
地毯磚系統 Carpet Tile System		
所有類型 All Types	✓	✓



施工步驟 Installation Procedures

將思美特聰明墊® 攤鋪
或安裝在地基上
Install or Loose Lay
SmartLay® Underlay
to the subfloor

將與地毯接觸面的離型
紙撕開
Peel off Release Film
on the side to the Carpet

安裝地毯
Install Carpet



隔音性能 Acoustic Performance

面層地板 Floor Covering	思美特聰明墊® SmartLay® Underlayment	隔音效果 Acoustic Performance
無面層地板 No Flooring Covering	3mm	19 dB (Δ Lw)/ 50dB (IIC)
無面層地板 No Flooring Covering	5mm	23 dB (Δ Lw)/ 56dB (IIC)
Tufted	3mm	30 dB (Δ Lw)
Tufted	5mm	32 dB (Δ Lw)
Woven	3mm	40 dB (Δ Lw)
Woven	5mm	42 dB (Δ Lw)
Carpet Tile	3mm	30 dB (Δ Lw)
Carpet Tile	5mm	32 dB (Δ Lw)

橡膠地板應用 (橡膠片材, 卷材) Rubber Floor Application (Rubber Sheet and Roll)

應用 Applications

	思美特聰明墊® SmartLay®	
	3mm	5mm
橡膠片材 Rubber Sheet	✓	✓
橡膠卷材 Rubber Rolls	✓	✓



施工步驟 Installation Procedures

將思美特聰明墊® 攤鋪
或安裝在地基上
Install or Loose Lay
SmartLay® Underlay
to the subfloor

將與橡膠
地板接觸面的離型
紙撕開
Peel off Release Film
on the side to the
Rubber Floor

安裝橡膠地板
Install Rubber Floor



隔音性能 Acoustic Performance

面層地板 Floor Covering	思美特聰明墊® SmartLay® Underlayment	隔音效果 Acoustic Performance
無面層地板 No Flooring Covering	3mm	19 dB (Δ Lw)/ 50 dB (IIC) 在120mm水泥樓板上 on 120mm Concrete Screed
無面層地板 No Flooring Covering	5mm	23 dB (Δ Lw)/ 56 dB (IIC) 在120mm水泥樓板上 on 120mm Concrete Screed
橡膠地板 Rubber Floor (5mm)	3mm	67 dB(IIC)
橡膠地板 Rubber Floor (10mm)	5mm	70 dB(IIC)

技術參數

Technical Data

厚度 Thickness	3mm	5mm
明細 Details		
材料 Material	Recycled Rubber Foam, PU Foam and Rubber Granules	Recycled Rubber Foam, PU Foam and Rubber Granules
黏著劑 Binder	PU Binder	PU Binder
密度 Density	450-800 kg/M ³	450-800 kg/M ³
熱阻 Thermal Resistance DIN 52612	3mm $1/\lambda = 0.041$ K/W	5mm $1/\lambda = 0.025$ K/W
撞擊聲壓級改善量 Impact Sound Improvement (ΔL_w) ISO 140-8:1998	At Least 19 dB Tested on only 120mm concrete slab with no ceiling system	At Least 23 dB Tested on only 120mm concrete slab with no ceiling system
撞擊聲隔音等級 Impact Sound Insulation (IIC) ISO 140-7/ ASTM E492/ ASTM E989	Appr. 54 dB with 2mm LVT/ Tested on only 120mm concrete slab with no ceiling system	Appr. 59 dB with 2mm LVT/ Tested on only 120mm concrete slab with no ceiling system
氣味 Odor	Odorless	Odorless
揮發性有機化合物 VOC	Low VOC Emission	Low VOC Emission
防火等級 Building Class DIN4102	Class B2 for Common Usage Class B1 for Building and Special Request	Class B2 for Common Usage Class B1 for Building and Special Request

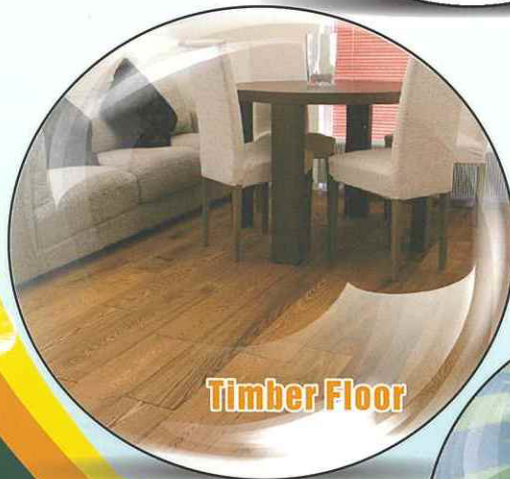
SmartLay[®]

Acoustic Specialist 思美特聰明墊[®]

Self-Adhesive & Water-Proof Underlays

Excellent Sound-Proof
& Anti-Vibration Underlays

SmartLay[®] Innovates All Flooring Solutions



To Be Applied

OFFICE
CLINIC
SCHOOL
MUSEUM
HALLWAY
LIBRARY
BOOKSTORE
FITNESS CLUB
RETAIL OUTLET
SPORTS GROUND
SHOPPING CENTER
HOUSE & APARTMENT
HOTEL & RESTURANT

