



舒活

地板

Nan Ya ECO Flooring Tile



和風系列  
V Series

白橡木 · 實景拍攝



原來

建材也可以這麼健康....



只有舒活地板，給您無甲醛、防潮、防蟲  
蟻、環保、舒適，與健康的生活空間。

Nan Ya ECO flooring tile provide  
you a simple, easy life.  
It is impervious to water, humidity  
and insects. A environmentally  
friendly and comfort product  
dedicated to health for all of your  
living area.

# Healthy

## 新創具環保健康之真原素舒活地板

社會因科技發達，電磁波接觸頻繁，造成地球能量場與人體氣場之衝突，致現代人身心靈容易不平衡，精神躁鬱，健康日漸受損及地球環境惡化，造成惡性循環。

道家強調精、氣、神是人生命之要素，而西洋亦日漸提倡禪坐、瑜伽之修煉，以增進人類回歸健康之身體。

木材為了防腐，常以福馬林（甲醛）浸泡處理，造成為求健康得到少量芬多精，卻反而吸入致癌極強之福馬林，日本近來常提到“Sick house 致病之屋”，其疑慮日深。

台塑企業中之長庚生技公司長年研究自然能量對健康之影響，開發出由礦物中提煉出來，具有與人體生命能量及共振頻率，可放射出高諧能量之原素，並精製成奈米粒子，能發揮最大表面能量的真原素。

本公司新研發含奈米真原素之舒活地板，除具防潮、防蟲、防焰之物性與木地板相當之優異性能外，尚具調理平衡身心之功能。

舒活地板添加真原素，具有遠紅外線放射率達94%之極高效果，與竹炭相較毫不遜色，是真正健康、環保與耐用之最佳選擇。



100%不含甲醛、不腐爛、防蟲  
蟻、環保、舒適  
A Formaldehyde free,  
Waterproof, Termite resistant,  
Environmentally Friendly and  
Comfort product.

胡桃木 · 實景拍攝



南亞舒活地板和風系列，係以日本精細之印刷技術，結合最新之表面披覆與耐磨處理科技，創造出符合您實際生活需求之產品。

Nan Ya Eco flooring tile V series combines the delicate printing technology with the latest coating and wear-resistant technologies to create the practical products that cater for your needs.

黑檀木 Ebony #V70



花梨木 Rosewood #V60



柚木 Teak #V50



胡桃木 Walnut #V40





# Waterproof



白橡木 Oak #V30



櫻桃木 Cherry #V20



楓木 Maple #V10

※所有色水以實際產品為主



100%不含甲醛、不腐爛、防蟲  
蟻、環保、舒適  
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Comfort product.



花梨木 · 實景拍攝



## 施工步驟：(以架高式地板為例)

### 步驟1: 地面整平

- 地面施工前，最重要的是先確認地面是否平整及水平，並清除所有地面上之凹凸現象或其他異物 (如牆壁邊緣之水泥積料或地面塗料)
- 清潔並磨平地面突起區域，針對不平之地面，應使用自平泥(self-leveling compound)先進行整平。
- 針對狀況不佳的地面，應先以適當之舒活夾板或舒活角材修復或墊高，確認平整及荷重正常後再安裝舒活地板。

### 步驟2: 安裝地板

- 計算施工時之損料及誤差、確認安裝地板所需之數量。
- 即使室內不是方正的格局，於安裝第1列地板時，應確保直線及水平。建議由入口處安裝第1片地板，並將地板長端之公榫朝向主要的採光窗位置，依據經驗，以平行室外光源之方式施作地板，會有較佳之效果。
- 用釘鎗依適當之間隔釘於公榫將地板固定於地面，長端(1200mm)及短端(150mm)皆需打釘，以避免地板受力不均而產生高低差或縫隙現象。
- 依序安裝每片地板，必要時，以專業敲擊器或橡膠等較軟性之工具輕敲公榫與母榫密合。
- 安裝時，若有公母榫過緊現象而不易崁入，可請於安裝前，先以磨光或刨刀工具進行尺寸微調整。

### 步驟3: 收邊

- 使用適當的填縫劑或收邊條，修補空隙或凹凸不平之區域。

## 施工注意事項:

- 施工請前先檢視舒活地板外觀，確認無色差或破損情形。
- 請勿以金屬或木質鎚直接敲擊舒活地板任何部位，必要時，請以專業敲擊器或橡膠等較軟性之工具。
- 請避免於施工地面進行裁切或存放工具，完工之新地板，應以適當之保護方式以避免外力刮傷或破壞。



## Installation Steps : (Example of Pull-up Sub-floor)

### Step 1: Prepare the sub-floor surface

- It is the most important job in the whole installation process to check concrete slab for flatness and level. Ensure your sub-floor is free from all dips, valleys or imperfections (such as drywall mud, paint over-spray, etc.)
- Clean and sand down high areas. Use self-leveling compound to level all low areas.
- For surface that is difficult to repair, install suitable underlayment by using Eco base board or Eco solid bar before installing Eco Flooring tile.

### Step 2: Install Eco Flooring Tile

- Measure the number of planks to be used plus any fraction of a plank over.
- It is essential that the first row is straight and level even if the walls are not. Lay out the first plank from entrance with the tongue toward the main window. For a professional looking finish, it is recommended to install the plank that is parallel to the sun's light.
- Simply position the nailer on the tongue edge of the plank along the width and length. Nailing the plank to avoid floor gap or uneven condition.
- Continue laying the plank and carefully strike the groove of the next row into the tongue of the previous one with a rubber mallet.
- In case of tight tongue and grooves, slightly grinding or trimming the edge before installation.

### Step 3: Seal The Floor

- Use silicone sealant and/or weather stripping to seal all expansion/contraction spaces.

## Notice for Installation of Eco Flooring Tile

- Inspect all planks before you install them.  
Do not install discolored or damaged plank.
- Never hit the floor directly by hammer. Use a tapping block or rubber tool to move floor into position, when needed.
- Do all your cutting in another area to keep the installation area free from sawdust or tools. Use proper protection methods to avoid scratch or damage on the new floor.

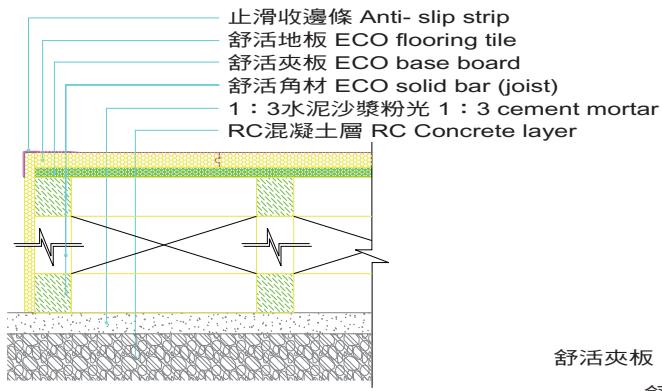
# Friendly



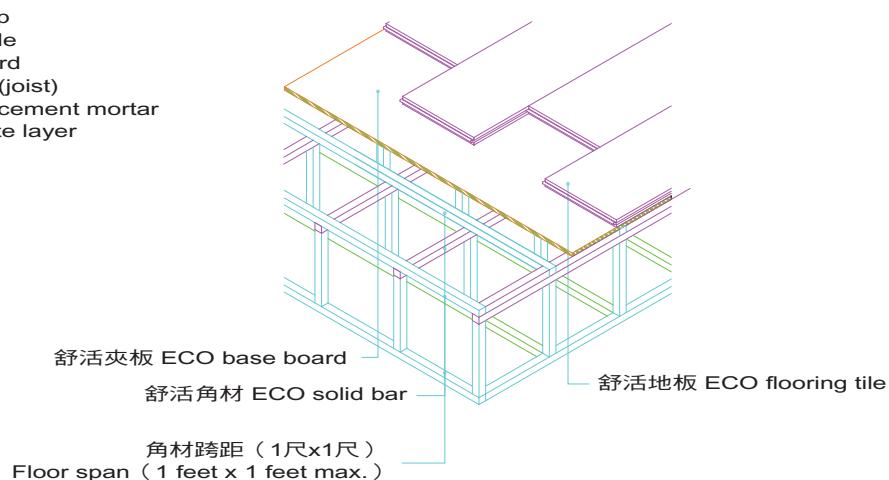
## 施工示意圖 Construction Chart

### 1. 架高式A（角材架高一尺高）：

Pull-up model A (Raise a sub-floor by 1 feet) :

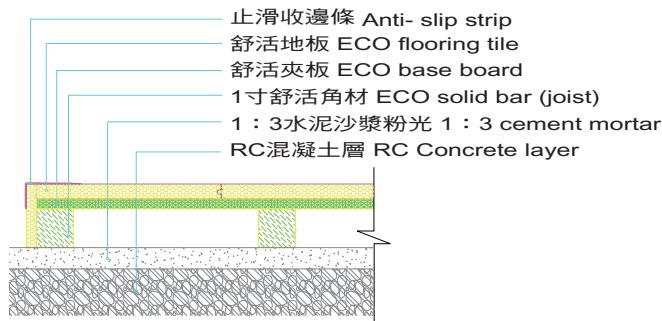


底樑配置示意圖 3D chart

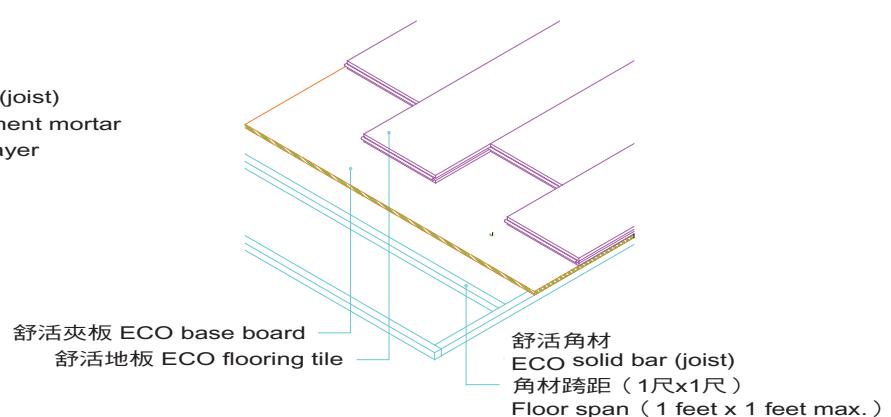


### 2. 架高式B（角材）：

Pull-up model B (Raise a sub-floor by Eco solid bar) :

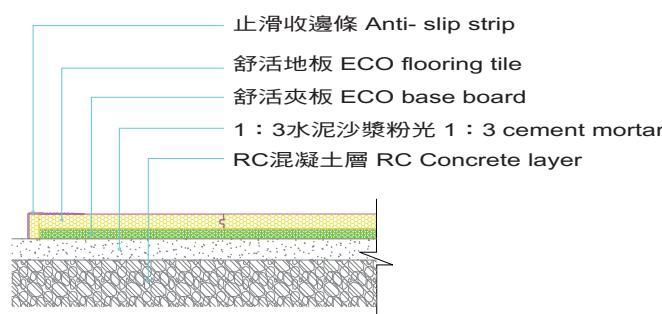


底樑配置示意圖 3D chart

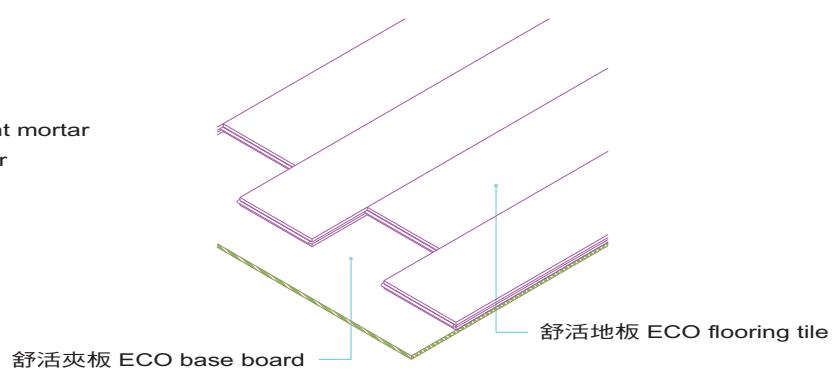


### 3. 直鋪式施工詳圖：

Direct-laying



底樑配置示意圖 3D chart





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# 耐候性比較 Comparison of weather resistance

色相安定不易褪色  
Stable color not  
easily gets faded

測試方法：  
Testing method :  
ASTM G154

測試機台：  
Testing machine：  
Atlas UV-CON  
(Ultra-violet/  
condensation  
weathering device)

表面無任何龜裂紋  
No cracks on the surface

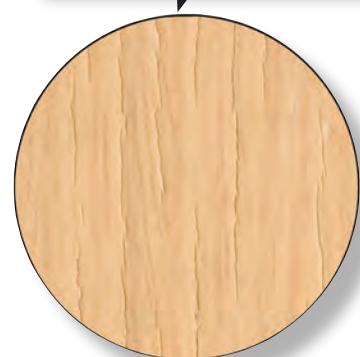
# 南亞舒活地板 NAN YA ECO Flooring Tile

# Environmentally

## 市售海島型地板

Engineered flooring available in market

樣品別 Sample	橡木 Oak	柚木 Teak	花梨 Rosewood	胡桃 Walnut
原樣 Original feature				
24小時 24hours				
48小時 48hours				
72小時 72hours				
96小時 96hours				
120小時 120hours				
144小時 144hours				
168小時 168hours				
試驗條件 Testing condition	一. ULTRAVIOLET CYCLE:40°C 。 二. CONDENSATE CYCLE:30°C 。			



容易褪色  
Easily get faded

表面已產生嚴重之  
龜裂紋  
Surface has  
been seriously  
cracked

## 耐磨耗性比較 Abrasion Resistance



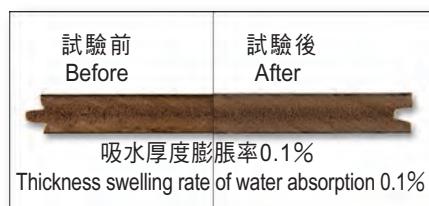
南亞舒活地板 (10,000轉)：僅少許磨耗  
Nan Ya Eco flooring tile (10,000 turns) :  
Only a little surface has been grinded



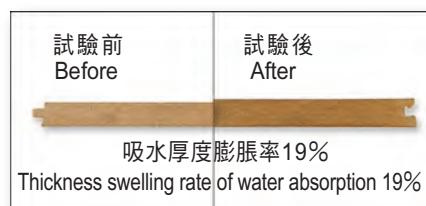
海島型地板 (4,000轉)：表層已磨穿並龜裂  
Engineered flooring (4,000 turns) :  
Surface has been grinded and cracked

試驗條件：磨耗輪CS-17  
Testing condition : Grinding wheel CS-17  
荷重：500g  
Loading capacity : 500g

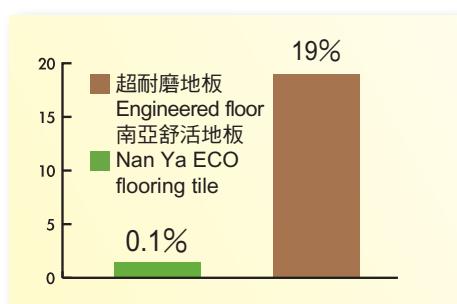
## 耐水性比較 (浸水七天) Water-resistance (Dip in water for 7 days)



南亞舒活地板  
Nan Ya Eco flooring tile



市售超耐磨地板 (密集板底材)  
Laminated floor available in market (Middle fiber board)



吸水厚度膨脹變化率 (%)  
Thickness swelling changing rate of water absorption (%)

## 耐化學性比較 Chemical Resistance

藥品名稱 Chemical name	舒活地板 Nan Ya Eco flooring tile	海島型地板 Engineered flooring
濃鹽酸 Concentrated Hydrochloric Acid	◎	×
濃硫酸 Concentrated Sulfuric Acid	×	×
30%硫酸 30% Concentrated Sulfuric Acid	△	×
濃硝酸 Concentrated Nitric Acid	×	×
40%濃硝酸 40% Concentrated Nitric Acid	△	×
40%苛性鈉 40% Caustic Soda	◎	◎
氨水 Ammonia Water	◎	◎
丙酮 Acetone	△	△
乙醇 Ethyl Alcohol	◎	◎
甲苯 Toluene	×	△
福馬林 Formalin	◎	△
90%醋酸 90% Acetic Acid	△	△
香蕉水 Butyl Acetate	◎	◎
汽油 Gasoline	◎	◎

藥品名稱 Chemical name	舒活地板 Nan Ya Eco flooring tile	海島型地板 Engineered flooring
甘油 Glycerin	◎	◎
噴漆溶劑 Solution Spraying Paints	△	△
漂白液 Bleaching Solution	◎	◎
海水鹽水 Sea Water, Salt Water	◎	◎
澱粉 (醣) 溶液 Stach (Carbohydrate) Solution	◎	◎
釀造用水 Brewing Water	◎	◎
調薄劑 Epoxy Thinner	△	△
松香水 Paint Thinner	△	△
浴廁清潔劑 Toilet cleaner	◎	◎
肥皂水 Soapsuds	◎	◎
咖啡、醬油 Coffee, soy sauce	◎	×

◎ 安全適用 (表面不褪色、不灼傷)。  
Safely applicable (Surface will not fade and get burned)

△ 尚可適用 (表面稍褪色、稍灼傷)。  
Acceptable applicable (Surface will slightly fade and get burned)

× 不可適用 (表面褪色、灼傷)。  
Not applicable (Surface will fade and get burned)

## 各種地板材常見的問題 Common issues related to all kinds of floors



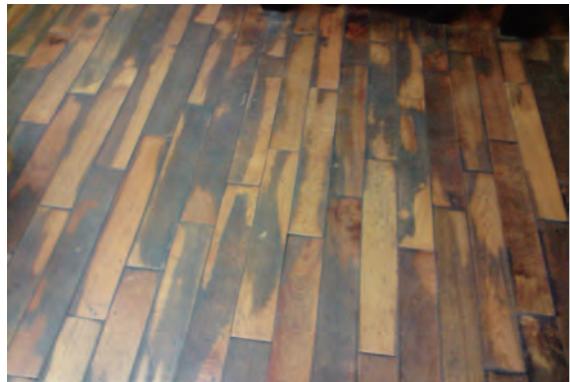
**地毯易污損，且不易清理**  
Carpet can get dirty easily and not easy to clean.



**花崗石污損後不易清除**  
Granite is not easy to clean once contaminated.



**木地板收縮縫大，易藏污納垢**  
Wood floor has a larger chink which can easily cover dirt.



**木地板受潮變黑情形**  
Wood floor will turn black once get wet.



**木地板受白蟻蛀蝕至腐朽不堪**  
Wood floor can easily get rotten.



**木地板易翹曲**  
Wood floor can easily get curved.



## 產品特色 Product properties:

- 完全不含甲醛 Formaldehyde free.
- 不吸水，不受潮 Wet resistant and low absorption of water.
- 具自熄性，安全性高 Self-extinguishing and safety.
- 防蟲，防白蟻 Insects and termite resistant.
- 抗化學性，抗腐蝕性 Chemical resistant and non-corroding.
- 低導熱性，隔音，高絕緣性 Low thermal conductivity, sound and electric insulation.

## 產品規格 Specifications

(厚度Thickness X 寬度Width X 長度Length mm) :

舒活地板 Eco Flooring Tile :

12x150x1200mm (9片 / 0.5坪 / 1.62m<sup>2</sup> / 箱)

舒活角材 Eco Solid Bar :

14x37mm, 30x32mm, 32x32mm, 25x50mm, 35x60mm

長度 length : 2424mm, 3636mm

舒活夾板 Eco Base Board : 8, 10, 12x915x1830mm

## 產品物性 Product properties :

### ◆ 附註 Note :

本說明書中所列試驗數據及圖片僅供參考用。  
The testing data and pictures in this instruction manual are only for references.

### ◆ 使用儲放及運輸等注意事項

Notice items for storage and carriage :

- 南亞舒活地板請勿斜放，應於平坦面水平儲放，正面朝上。  
Please do not lay the Eco flooring tile on a slant. Please lay it horizontally on a flat surface and face up.
- 請存放於陰涼處，勿放置於高溫（60°C以上）之環境中。  
Please store it in a cool place and do not place it in a high temperature (60°C and above) environment.
- 避免陽光下直接曝曬，以及於高溫環境中運送。  
Please avoid direct sun exposure and high temperature delivery.
- 請勿將高溫物品放置於地板上，或於地板上蒸煮食物。  
Please do not place heated goods on the floor or steam foods on the floor.
- 本製品建議於室內使用，不建議用於室外用。  
It is recommended to use this product indoor instead of outdoor.

測試項目 Item	測試方法 Test method	南亞舒活地板 Nan Ya Eco flooring tile	海島型地板 Laminate flooring tile
甲醛釋出量 Formaldehyde	CNS 11342	完全不含甲醛 N.D. Not detected	含甲醛 Formaldehyde contained
吸水厚度膨脹 Thickness swelling rate due to water absorption test (%)	CNS 11342	0.08	2.5~10
耐磨性 (塗料層仍存在之轉數) Abrasion resistant (coating layer still exists)	CS -17	10,000轉 10,000 resolutions	1,000轉 1,000 resolutions
每100轉之磨耗量 Abrasion amount (g/100 revolutions)	CNS 11342	< 0.03	> 0.06以上
浸水剝離之膠合性 Bonding property	CNS 11342	不剝離 No peel off	易剝離 peel off
含水率 (%) Moisture content (%)	CNS 11342	0.38%	> 8%
燃燒性 Flammability	UL -94	V0, 能自熄 Self-extinguish	會燃燒 burning



本簡介採用南亞珠光紙PH-150級

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