PVC CEILING & SPC FLOORING

14 Years of Manufacturing Experience in South Africa

Camfly

CAMFLY IS NEVER COMPROMISE ON QUALITY

Decorative & Durable PVC Ceiling & Wall Panels.

PVC Ceiling & Wall Panel's Key Advantages Include:

➢ Fire Retardant
➢ Rot, Rust & Water-proof (100% waterproof)
➢ Yeast & Mould Free
➢ Anti-bacterial
➢ Not affected by Termites
➢ Heat & Sound Insulation (Its insulation effect is excellent, including in air)
➢ Fiberglass, Asbestos & Lead Free
➢ Easy to Install (Lightweight and therefore easy & quick to install with no mess or fuss)
➢ Easy to Clean (With water & dishcloth only)
➢ Maintenance Free
➢ No Painting Required (An ideal substitute for ordinary gypsum board and rhino board ceiling)
➢ Environment Friendly & Safety
➢ Economical
➢ Recyclable
➢ Indoor Use (House, Office, Hospital, School, Shopping Mall, Restaurant, Retailing & Leisure Space, etc)

The hollow structure of PVC ceiling allows a much smaller heat transfer co-efficient which is only 1/1000th that of aluminium.
This contributes significantly to the insulation effect that guarantees a cool summer retreat and a warm room in winter.

The Significance of Choosing Camfly

The most of you are already familiar with the PVC ceiling products in recent years, and the products have been swiftly growing in popularity in South Africa as we keep up the push for the products. Our company is the most influential manufacturer of PVC ceiling products known under the brand **Camfly** in South Africa. Camfly products gain the good public praise and approbation in the market depending on absolutely competitive quality, distinct effect and outstanding service. We believe that the quality or performance of every product is becoming increasingly important, unfortunately, however, we have seen thousands of unknown PVC ceiling products with inferior quality are inundating the whole of South Africa, they are boldly invading the industry and damaging the existing market with impunity.

Everyone should use top quality PVC Ceiling products, unfortunately not many people are aware that there is an ideal product on the local market. We would remind our valued customers of why we are so passionate and proud of the quality PVC ceiling products we make. Many Suppliers or Distributors claim to supply or sell quality PVC ceilings but can't provide the hallmarks of genuine PVC ceiling products. Camfly has various advantages over other suppliers:

1. For Credibility, Authenticity, Reputation and Specialization

Camfly	Non-Camfly
The first and biggest manufacturer with more years professional services and abundant marketing experiences in South Africa.	Unknown Origin.
Quality Standards and Production Requirements by the climatic condition and building situation of South Africa.	Not Applicable.
Authoritative SABS Testing Reports.	Untested or Uncertificated.
Formidable Productivity and Timely Delivery. Prompt Orders Processing, Ideal Lead Times.	No Timely Delivery, Long Lead Times.

2. For Quality, Specification and Colour

Camfly	Non-Camfly
Absolutely high content of raw PVC (Polyvinyl Chloride).	Far lower than standard requirement. Mixed with waste materials.
A strong and firm plate body to resist the back pressure between ceiling board and roof.	Fragile, Insufficiently firm. Lower compressive strength. Accidents frequently happen due to quality.
Flexible and suitable for bowing even bending (*available for Series 25B & 25C*). Much easier to load or unload and install.	No flexibility available.
Much better visual effects, Hardly any color difference.	Frequently occurring color difference due to discontinued supplies.
Any special sizes can be customized (*up to 15 metres*). Camfly is available in a large variety of finishes, colors and patterns to cater to anyone's preferences.	Single and stationary size. Length of 3.9m or 5.9m is available only. Unable to cater for special customization.

3. For Others

Camfly	Non-Camfly
Far More Cost Effective / Cost Performance.	Low PPR (Performance-to-Price Ratio).
More Excellent Durability. Factory-warranted Quality. Camfly Products are of the highest quality and come with a product guarantee of 20 years.	Briefer Product Lifetime. No Warranty.
Authentic Guarantee of Local Manufacturer.	Not Applicable.

QUALITY IS EVERYONE'S RESPONSIBILITY AND WE NEVER HAVE TO STOP GETTING BETTER.
Camfly is the answer if you are looking to install an classy ceiling.

Camfly
PVC CEILINGS

TEST REPORTS

CAMFLY PVC CEILINGS PERFORMANCE TEST REPORT (SABS) 2116/Er153R

REPORT ON THE FIRE PROPERTIES

Report on the fire properties from FIRELAB cc (13 March, 2009 Contract No. FTC09-001).
The overall classification of B/B1/B2 is applicable to this product in terms of the SANS 428 Specification.

The Fire Retardant	Burnt the sample with spirit lamb flame for 3 seconds, the panel burn, but the sample extinguished once away from the flame.
Deflection after 60°C	The PVC board was placed on the metals tray, and then put into the air-circulating over of 60°C, the sample was placed in the oven for 10min. The sample qualifies below 6% of board width.
Deflection after -20°C	The PVC board was placed on the metals tray, and then put into the cold chamber of -20°C, kept in the temperature for 10min. The sample qualifies below 5% of board width.

THERMAL CONDUCTIVITY TEST REPORT (SABS) 2020.5560-1R1

REPORT ON THE FIRE PROPERTIES

ABOUT US

Camfly factory is affiliated to the company Xionglong Trading (Pty) Ltd. It was founded in 2008 and has started as a ceiling manufacturing business since 2009 that supplied PVC products in South Africa. **Camfly** Factory has been formally producing SPC flooring products since 2019.

The company is the first and biggest manufacturer in South Africa, having as main activity the producing and supply of a variety of different **Camfly** PVC ceiling products and SPC flooring boards. From the start of business, **Camfly** has focussed on making use of only the best quality raw materials to ensure that our products are of the best quality with the highest content of PVC, meet the traits or standards of local housing construction and outlast any of our customers' expectations. Our products are built by advanced machinery and skilled technicians that are closely monitored and continuously trained and tested. We strive not only to continuously grow, but also to consistently deliver high quality products backed by excellent service.

Camfly has provided large quantities of top quality products to our existing customer base. We are proud to mention that currently, a few of our products are now supplied to RDP housing contractors. Due to an increase in demand, we had proudly expanded our manufacturing capacity which had led to our producing department relocating to larger premises in 2015.

Our products are used all over South Africa and abroad in several countries of Southern Africa. Through focusing continuously on our core value's, we strive to use only the best quality materials in the construction of our products, be consistent in all that we do, build valuable relationships based on mutual trust and dependability.

With a total area of 28 000 square meters, out of which 13 000 square meters are used as production and warehousing spaces and with its own car fleet, the company ensures the prompt and immediate delivery of **Camfly** products to all its customers.

The constant stocks from the warehouses enable quick and flexible deliveries, the purchase orders being delivered within the shortest possible time. Due to the quality of **Camfly** products, we have a permanently growing network of customers.

Make **Camfly** your number one choice in a solution provider for your finishes that will be the hallmark of your dream living space.

3
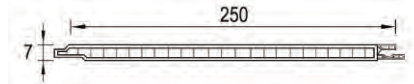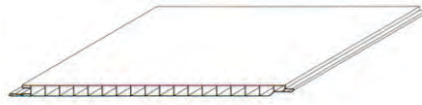
Range: 25B / 25M (Camfly **Ceiling** Panel)

Available: Matt White, Normal Printing (Matt / Gross), Hot Stamping

Width: 250mm   Thickness: 7mm
Length: 3.0/3.3/3.7/4.0/4.3/4.7/5.0/5.3/6.0 **m**

250   7

Range: 25C (Camfly **Ceiling** Panel)

Available: Matt White, Normal Printing (Matt / Gross), Hot Stamping
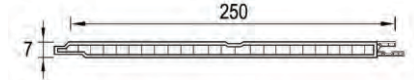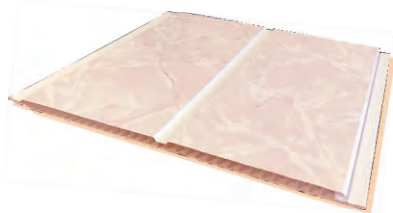
Width: 250mm   Thickness: 7mm
Length: 3.0/3.3/3.7/4.0/4.3/4.7/5.0/5.3/6.0 **m**

250   7

Range: 25CL (Camfly **Ceiling** Panel)
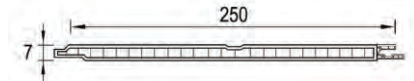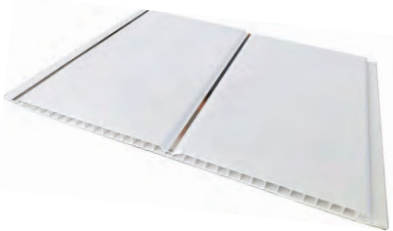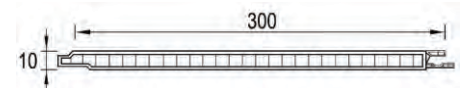
Available: Matt White, Normal Printing (Matt / Gross), Hot Stamping

Width: 250mm   Thickness: 7mm
Length: 3.0/3.3/3.7/4.0/4.3/4.7/5.0/5.3/6.0 **m**

250   7
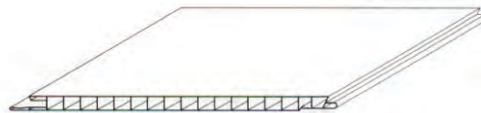
Range: 30D (Camfly **Ceiling** Panel)

Available: Matt White, Normal Printing (Matt / Gross), Hot Stamping

Width: 300mm   Thickness: 10mm
Length: 3.0/3.3/3.7/4.0/4.3/4.7/5.0/5.3/6.0 **m**

300   10
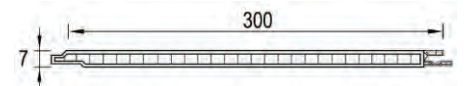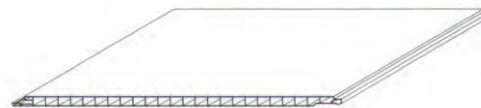
Range: 30N (Marcam **Ceiling** Panel)

Available: Matt White, Normal Printing (Matt / Gross), Hot Stamping

Width: 300mm   Thickness: 7mm
Length: 3.0/3.3/3.7/4.0/4.3/4.7/5.0/5.3/6.0 **m**

300   7
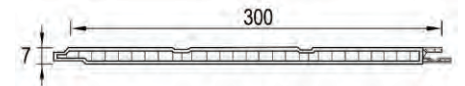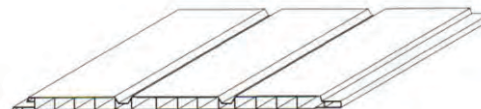
Range: 30C (Camfly **Ceiling** Panel)

Available: Matt White, Normal Printing (Matt / Gross)

Width: 300mm   Thickness: 7mm
Length: 3.0/3.3/3.7/4.0/4.3/4.7/5.0/5.3/6.0 **m**

300   7
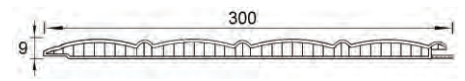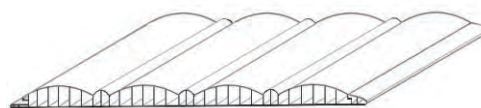
Range: 30W (Camfly **Ceiling** Panel)

Available: Matt White

Width: 300mm   Thickness: 9mm
Length: 3.0/3.3/3.7/4.0/4.3/4.7/5.0/5.3/6.0 **m**

300   9

Weight: ± 2.25kg per m^2 for 25B/M/C/CL;   ± 2.65kg per m^2 for 30D;   ± 2.35kg per m^2 for 30N/C;   ± 2.20kg per m^2 for 30W.

Special Sizes are available on request, minimum quantities can apply to non-standard sizes.

Camfly PVC CEILING & WALL PANELS
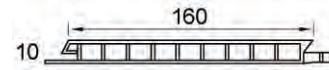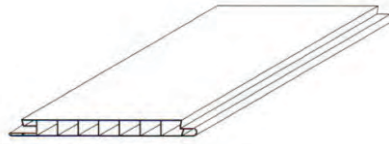
Range: 16A (Camfly **Wall** Panel)
Available: Matt White, Normal Printing (Matt / Gross)

Width: 160mm   Thickness: 10mm
Length: 2.8/3.0/6.0 **m**

160 / 10
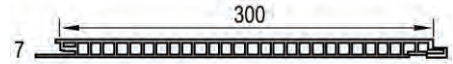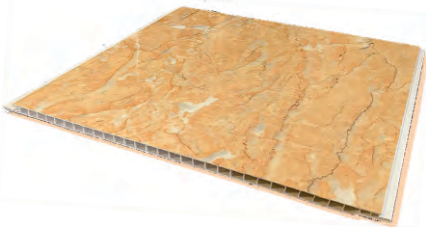
Range: 30A (Camfly **Wall** Panel)
Available: Matt White, Normal Printing (Matt / Gross), Hot Stamping

Width: 300mm   Thickness: 7mm
Length: 2.8/3.0/6.0 **m**

300 / 7
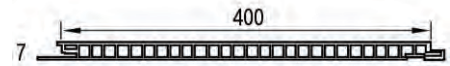
Range: 40A (Camfly **Wall** Panel)
Available: Matt White, Lamination

Width: 400mm   Thickness: 7mm
Length: 3.0 **m**

400 / 7
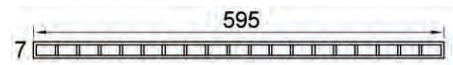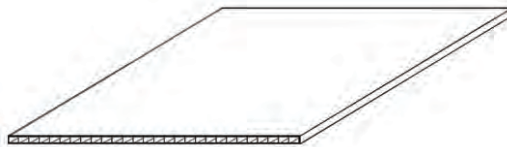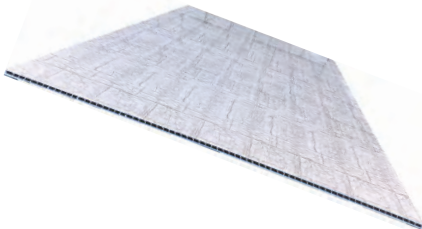
Range: 60S (Camfly **Suspended** Ceiling)
Available: Matt White, Hot Stamping

Width: 595mm   Thickness: 7mm
Length: 1.195/0.597 **m**

595 / 7

Weight: ± 3.47kg per m² for 16A & 30A;   ± 4.09kg per m² for 40A;   ± 2.30kg per sheet for 60S.
Special Sizes are available on request, minimum quantities can apply to non-standard sizes.

Length: 2.0m, 2.4m, 4.0m
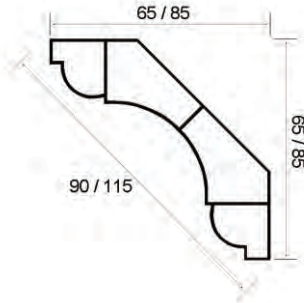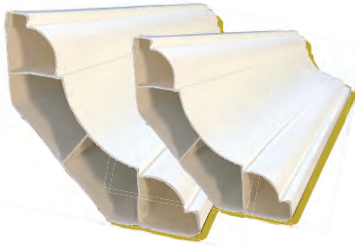
Large Top Corner

Code: **S2-LX** (115mm)
Code: **S2-L** (90mm)

Available: Matt White

65 / 85
65 / 85
90 / 115
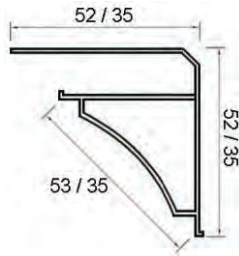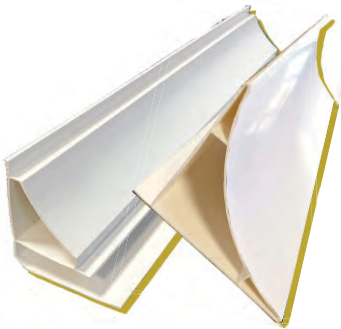
Top Corner
Code: **F2-L** (53mm), **F3-L** (35mm)
Available: Matt White

52 / 35
52 / 35
53 / 35
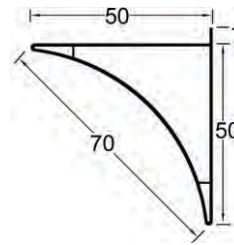
Top Corner
Code: **T1-L**
Available: Matt White

50
7
70
50
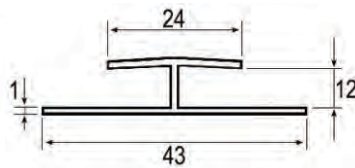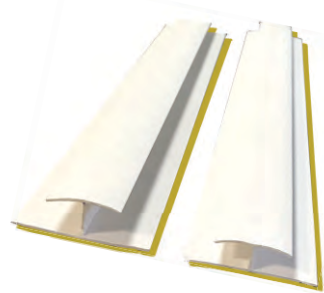
Connective Jointer (Medium)
Code: **H-LX**
Available: Matt White

24
1
12
43
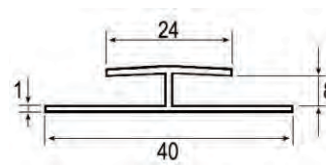
Connective Jointer (Small)
Code: **H-L**
Available: Matt White

24
1
8
40
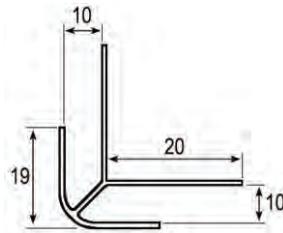
External Jointer
Code: **Y-L**
Available: Matt White

10
20
19
10
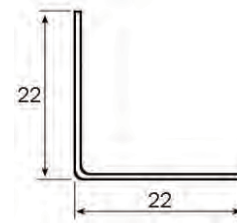
Corner Protector
Code: **V-L**
Available: Matt White

22
22
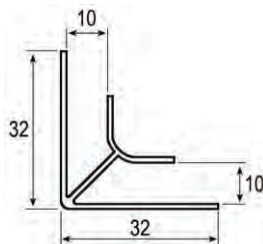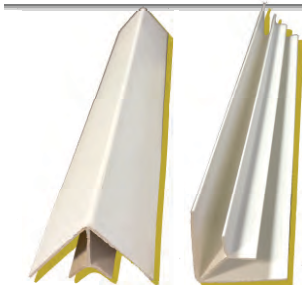
Inner Jointer

Code: **W-L**

Available: Matt White

10
32
10
32
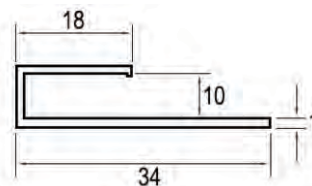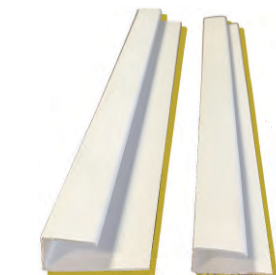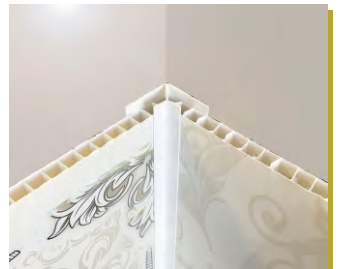
Edge Trim (Medium)
Code: **7-LX**
Available: Matt White

18
10
1
34
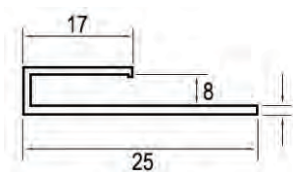
Edge Trim (Small)
Code: **7-L**
Available: Matt White

17
8
1
25

Printing
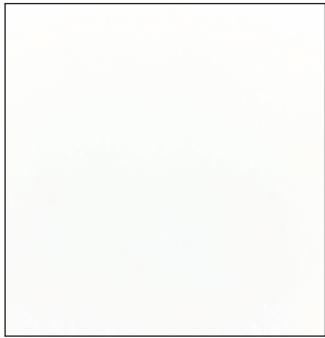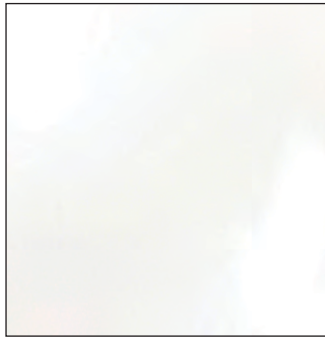
Matt 25B00	25B01
25B02	25B03
25B06	25B10
25B11	25B13
25B15	25B17
25B18	25B23
25B24	25B25
25B26	25B27
25B30	25B31
25B32	25B34
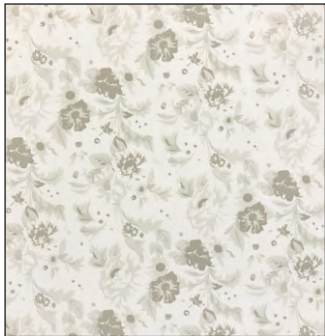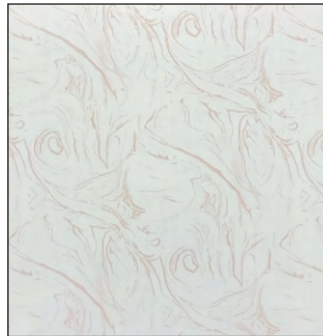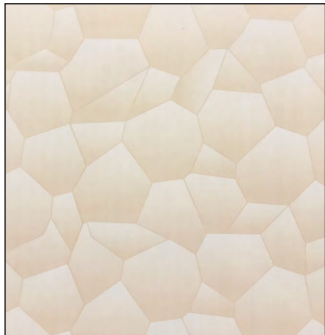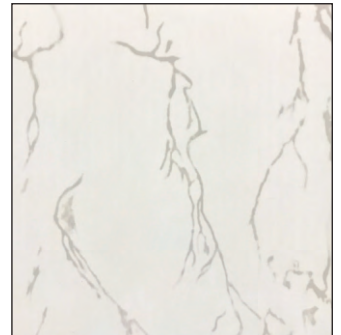
Camfly Ceiling products are available in a wide variety of colours and designs. The new products will be continuously updated.
PLEASE NOTE: The Litho printed colours represented here may vary from the actual Camfly Ceiling Products colours.
Visit your nearest Camfly stockist to confirm your final selection.
For colour consistency please ensure that batch number correspond on a particular job.

25B35	25B36	25B37	25B38
25B39	25B40	25B41	25B42
25B43	25B45	25B101	25B102
25B103	25B105	25B106	25B109
25B110	25B111	25B112	
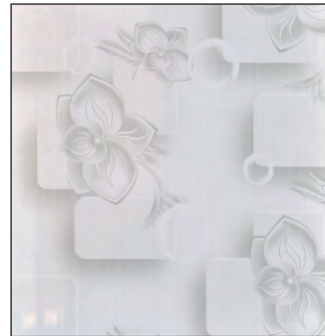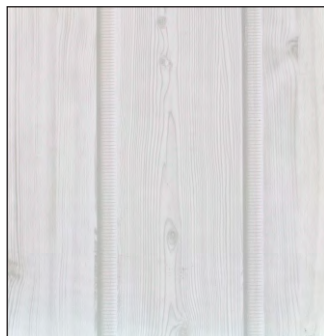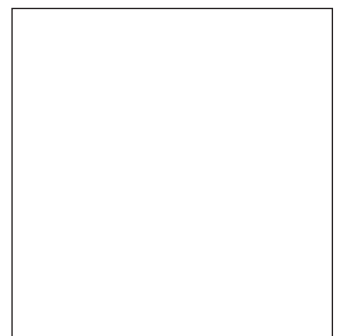
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PLEASE NOTE:
In the case of harsh hygienic conditions or moist dwelling environments, there is the probability that a discolouration or stain occurs on the surface of matt white panel that is less easily cleanable without any protective layer.

Camfly PVC CEILING & WALL PANELS
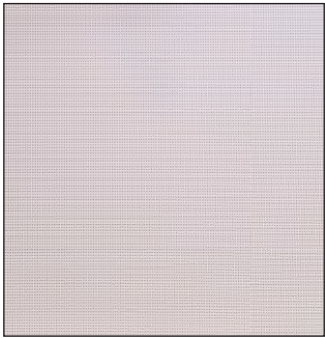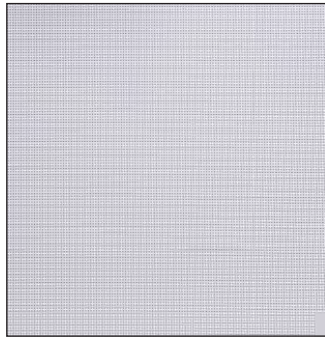
25B04	25B05	25B113	25B114
25B115	25B116	25B117	25B118
25B119	25B120	25B121	25B122
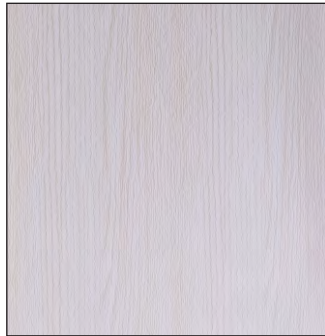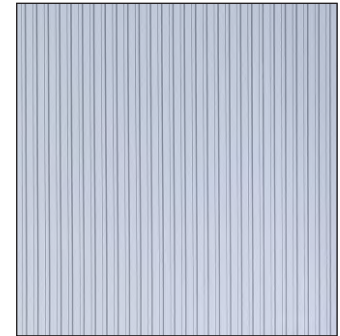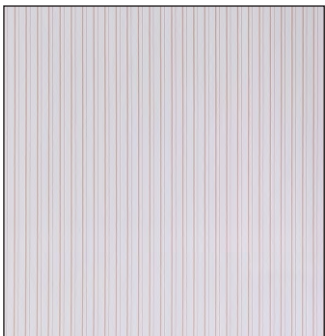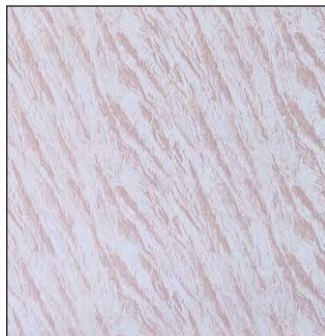
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Grooved Panels

Matt 25C00	25C01	25C03	25C13
25C23	25C25	25C31	25C32
25C34	25C37	25C42	25C111
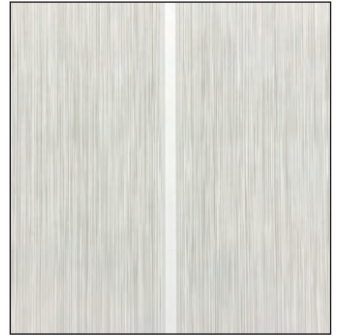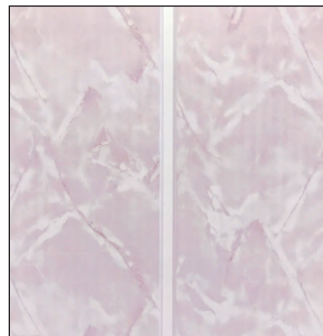
* All colours from Range 25B and 25M are available to be printed in the Range 25C (Grooved panels).

Camfly PVC CEILING & WALL PANELS
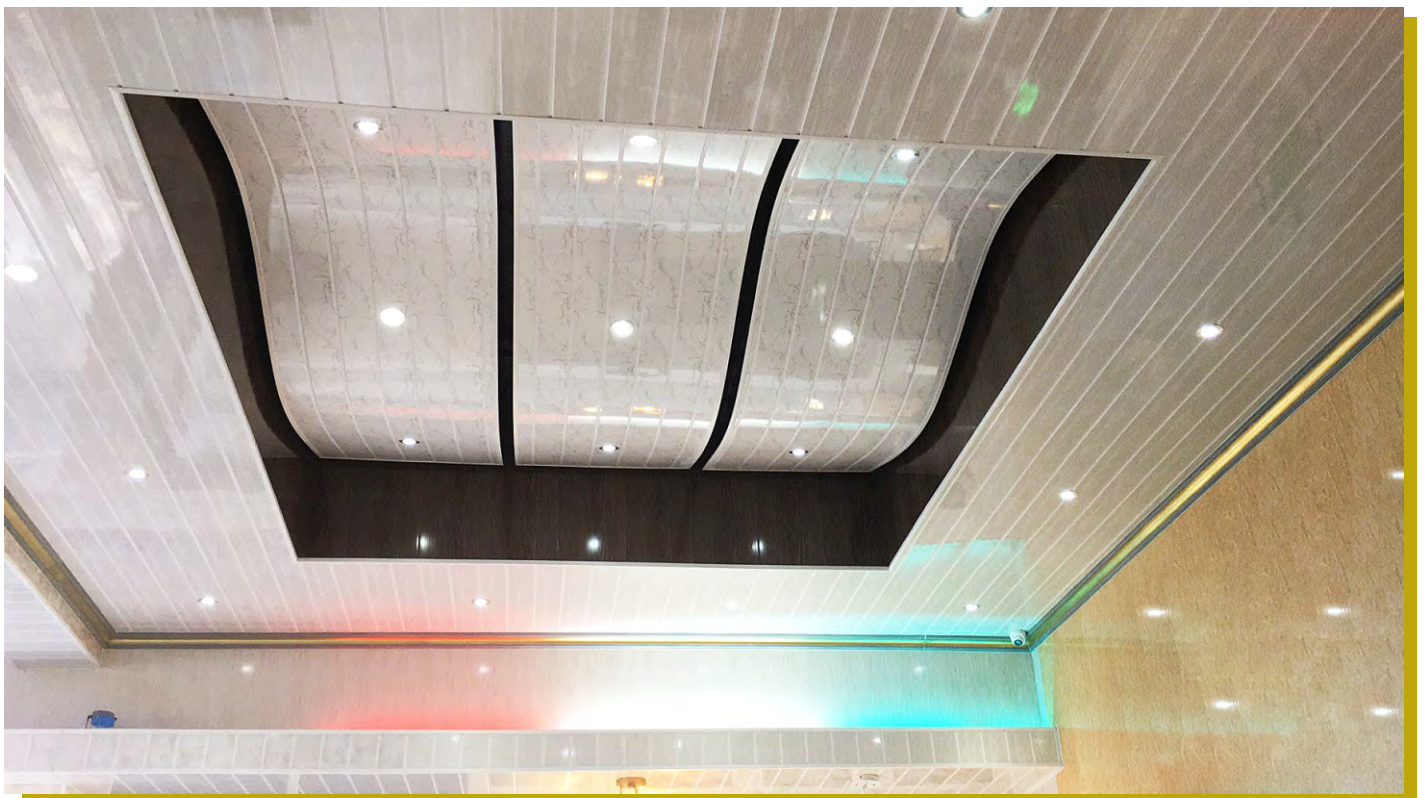
16A01

16A13

16A25

PVC Wall Panels
(Range 16A)
160mm X 10mm

* All colours from Range 25B are available to be printed in the Range 16A(Wall panels).

30A18

30A23

30A37

PVC Wall Panels
(Range 30A)
300mm X 7mm

* The Range 30A (Wall panel with size 300mm x7mm) is available for normal print, and for hot stamping (all colours/designs from range 30D) as well.

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40A801

40A802
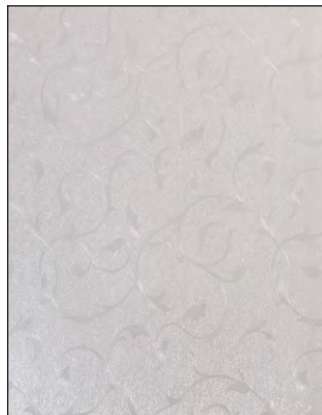
40A803

40A805

40A806

PVC Luxury Wall Panels
(Range 40A)
300mm X 7mm

Hot Stamping

30D51
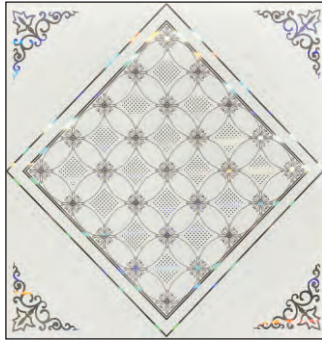
30D52
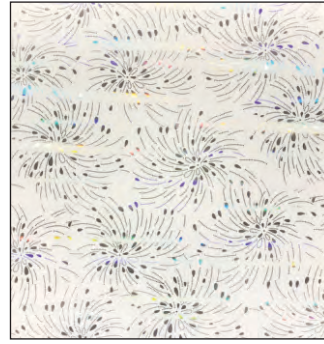
30D53
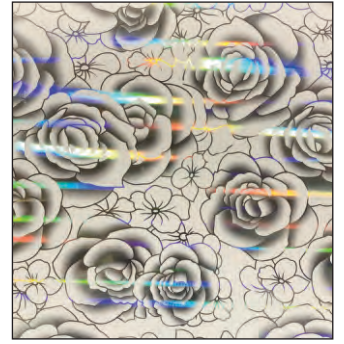
30D55

30D56

30D57G

30D57Y

30D58

30D59

30D60

30D61

30D63
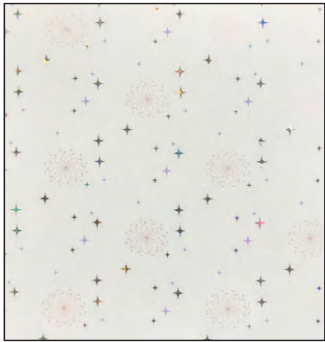
30D64

30D65

30D66

30D67

30D68

30D69

30D70

30D71
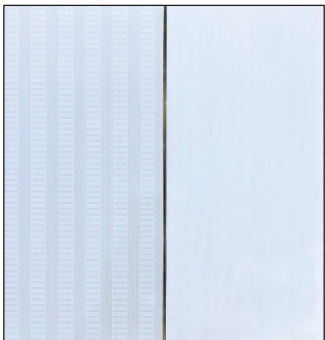
30D72

30D73

30D74

30D75

30D76

30D78

30D79

30D80

30D81

30D82

30D83
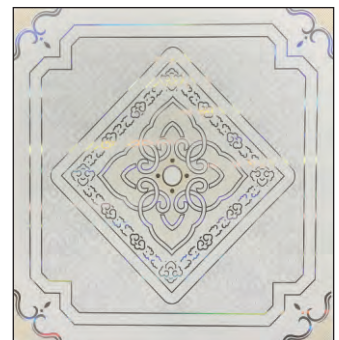
30D85

The Range 30D (ceiling panel with size 300mm X 7mm) is available for hot stamping, and for normal print as well.
All normal printed finish are available to be matt or gloss

Hot Stamping
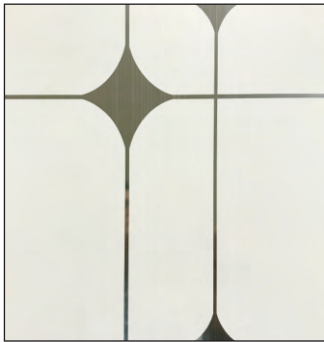
30D86	30D88	30D89	30D91
30D92	30D93	30D95	30D96
30D97	30D98	30D99	
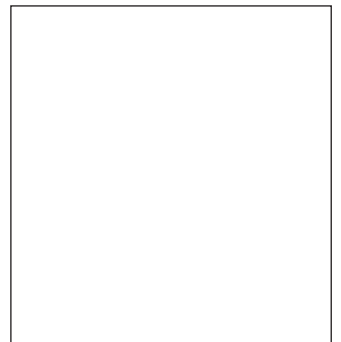
Printing

30D200	30D201	30D202	30D203

The Range 30D (ceiling panel with size 300mm X 7mm) is available for hot stamping, and for normal print as well.
All normal printed finish are available to be matt or gloss

Camfly Ceiling products are available in a wide variety of colours and designs. The new products will be continuously updated.

PLEASE NOTE: The Litho printed colours represented here may vary from the actual Camfly Ceiling Products colours.
Visit your nearest Camfly stockist to confirm your final selection.
For colour consistency please ensure that batch number correspond on a particular job.

Hot Stamping
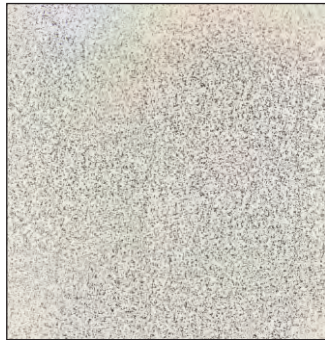
25M01	25M02
25M03	25M04
25M05	25M07
25M10	25M16
25M17	25M18
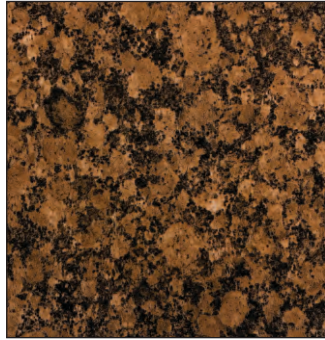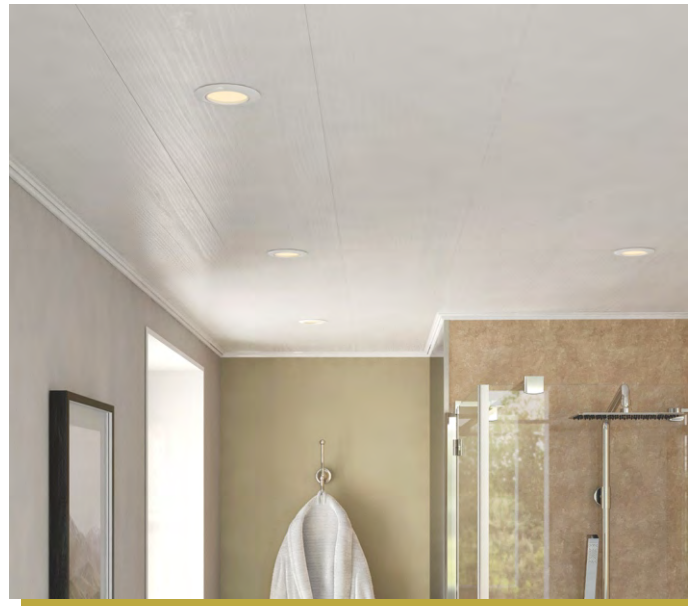
PVC Suspended Panels

(Range 60S)
595mm X 1195mm X 7mm, 595mm X 595mm X 7mm
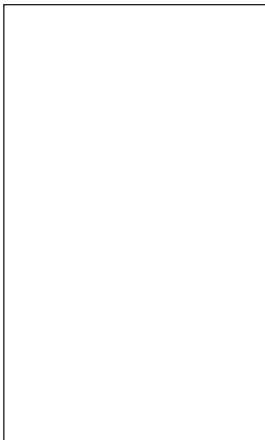
Matt White 60S000	60S026
60S101	60S102
60S103	
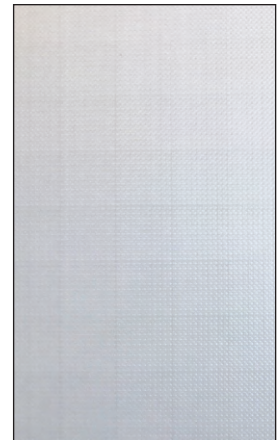
Camfly Ceiling products are available in a wide variety of colours and designs. The new products will be continuously updated.

PLEASE NOTE: The Litho printed colours represented here may vary from the actual Camfly Ceiling Products colours.
Visit your nearest Camfly stockist to confirm your final selection.
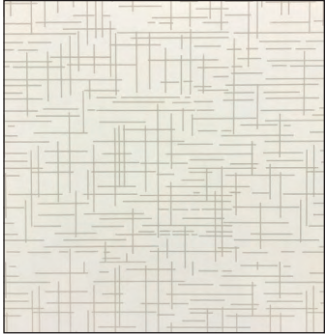For colour consistency please ensure that batch number correspond on a particular job.

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INSTALLATION GUIDE
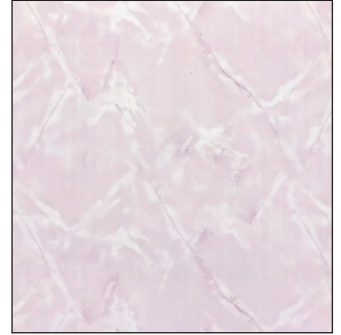
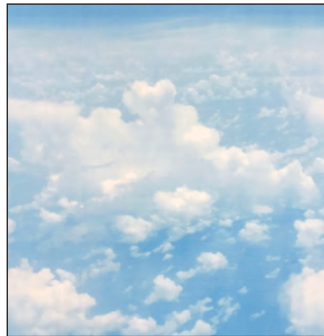The ceiling panels can be fitted together with a tongue and groove system, and are fixed on a lip that is concealed when the next panel is fitted. Fitting can be to an existing surface if it relatively flat and not likely to break away. Fixing can be done with self-tapping screws. PVC ceiling panels can be stuck to any surface including uneven surfaces, with little or no preparation required. There are a range of finishing accessories such as edge trims, internal and external corners, cornice trims and skirting boards that ease the task of fitting and ensure a perfect finish, whatever your room is shaped. PVC ceiling panels can be easily cut or trimmed using a sharp utility knife, hand saw, table saw, portable circular saw or jig saw.

PVC panels are normally fixed vertically i.e. from floor to ceiling, however panels may also be fitted horizontally if the shape of the room makes this an easier option. Similarly, ceiling panels can be run in either direction. Of course, you may have a preference as to which way you would like run the panels for visual effect. The PVC panels are easily fixed to almost every surface. Depending on the type of wall or ceiling you can choose different types of fitting. Clean and quick installation, which does not require special tooling and may be performed by non-experts.
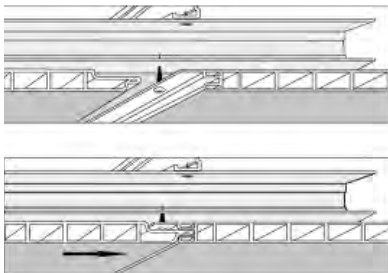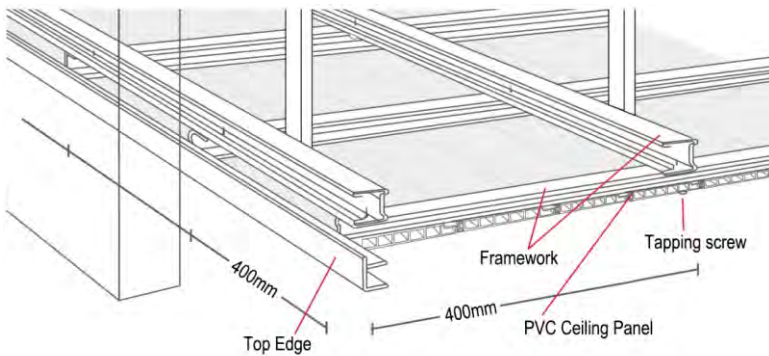
- Build a light framework of galvanized steel or hard wood profiles
- Ensure that the framework must be leveled or horizontal in one area
- Make sure your brandering (wooden framework) is 400mm maximum apart
- After completing the framework, start to fix the PVC Corners(Top Edge) on the wall under the framework
- Fix ceiling panels onto wooden brandering or galvanized steel with a self-tapping screw while inserting into the PVC Cornices
- It does not require sealants, as the panels fit by pressing tongue and groove, and the fixing screws are hidden
- Installation direction will be contrary to the direction of ceiling panels
- Ceiling panels must lay in the same direction as the main trusses
- Make sure the screw head fastens properly and flush with the groove of the Ceiling Panel
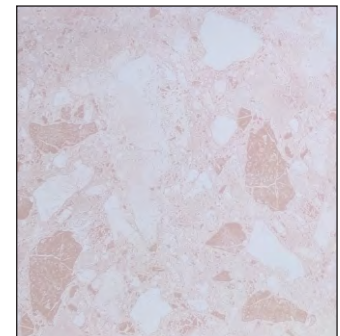- Clip the second panel with the tongue onto the groove (side notch) of the first panel
- Knock the panel using your hand palm at side to secure close fitment
- Do not carry on until the panel is fitted correctly
- Continue these steps until you hit the end of the ceiling
- When at the end of the ceiling, cut the panel in the length with a sharp utility knife to fit the last piece
- Dust ceiling with a cloth after fitment is done

INSTRUCTIONS FOR PVC WALL PANELS

Installation Instructions:
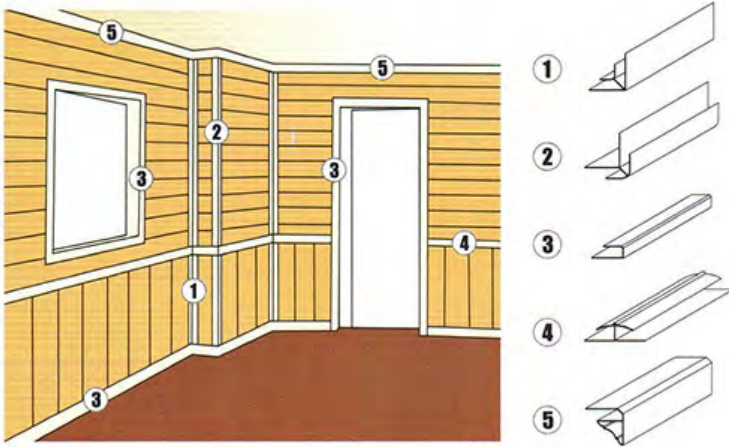
Before installation, all the profiles need to be checked to make sure they have the same length or lengths corresponding to the wall panel's surface.

In cases of damp, damaged or uneven walls we recommend the use of treated timbers for framework.

Necessary Materials for The Installation:

PVC Wall Panels, PVC Top Corners (⑤ F2-L), PVC Connective Jointers (④ H-L), PVC End Trims (③ 7-L), PVC Internal Jointers (② W-L), PVC External Jointers (① Y-L), Stalls for Wood, Plastic Dowels, Wooden Branderings, Nails and Screws.

Layout:

● For wall panels or ceiling panels, the spots of the dowels are traced out on masonry in order to fix the wooden brandering or galvanized steel, having the dimension 15mm x 50mm. The distance between the dowels is of 120mm - 150 mm and between the wooden branderings of 350mm - 400mm (for the lower part of the walls or for the ceilings we recommend the distance between the wooden branderings to be max. 250mm – 300mm).

● The fixing of the wooden branderings in dowels is made with screws for wood having the dimension 3.5 – 4 x 50 - 60 mm.

● If the masonry allows it and if you want the panel to be glued on the wall, bury the strip boards inside the masonry.

● PVC End Trim is placed along the installation space (floor, ceiling) parallel to the wooden framework.

● Begin the installation from one of the edges, select the first wall-panel and trim off the tongue on the left-side of the panel and
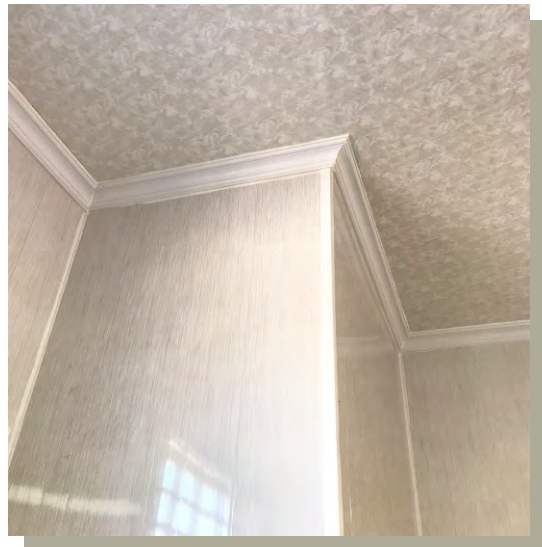
cut to length. Place the wall panel onto the framework into the PVC End Trim with the front of the panel towards you and the groove-side to the right. Fasten the panel on the groove-side by the end lip using screws to fix it entirely to the framework. Select the next panel, put the tongue in the groove until you have a good fit, and fasten the panel again on the groove side using the same method as before, and continue this way until you hit the edge or until the corner of wall.

● The interior and the exterior corners are executed with PVC Internal Jointers or External Jointers, as necessary. At corners, cut the last piece of panel near the wall of an interior cell, and apply the external or the internal corner on it.

● When completing the installation, introduce the End Trim at the end, this finishes the work.

In case of a flat and even wall, a simple adhesive can be used without having to use a wooden framework. The PVC panels even can be glued straight onto existing ceramic tiles, without removing these tiles. Painted surfaces should be suitably prepared before applying any adhesive.

What you have to remember:
✓ Use the panel for indoor uses only. The ceiling panels shall not be exposed to direct sunlight.
✓ It is forbidden to kick with hard elements. It is forbidden to clean the surfaces with abrasive materials or with solvents.
✓ The electrical equipment need to be properly fixed before installing the ceiling panels.
✓ The ceiling panels need to be checked prior to installation. Ensure that you are using the same batch of ceiling panels in one area.
✓ When using the ceiling panels in high back-pressure from rooftop, please more properly fix panels and strongly fasten screws, or use silicon sealant in the groove on the back of the lip.
✓ Before fitting panels around sources of heat, for example radiators or fire places, make sure the temperature level doesn't exceed allowed level of 60°C.

SPC FLOORING

The *New* "Upgraded" Classic & Ideal Flooring

Camfly SPC Flooring

Camfly
SPC FLOORING

With advanced printing and texturing technologies, the new flooring is the best-looking, best-performing sheet vinyl floor in the market, which is now known as SPC flooring, Rigid Vinyl flooring. The SPC Rigid flooring is the next evolution in sheet vinyl flooring. Each product of SPC flooring provides a broad range of natural designs, from realistic wood grains to elegant stones and rustic slates - choose the one that suits your lifestyle and your home.

What is SPC Flooring?

SPC Flooring (Rigid Core LVP) is the latest upgrade and improvement of traditional Luxury Vinyl Tiles (LVT), which is so popular in USA nowadays. The main contents of SPC are natural Lime Stone powder, Polyvinyl Chloride (PVC Resin) and Stabilizer which combined by a certain ratio to provide us with a very stable composite material. SPC flooring is designed to exceed. It is made up of 6 layers which includes the solid vinyl core with click, decor printing film with excellent design, wear layer with super strong vinyl, and of course the UV protective layer.

SPC flooring is the newest generation of rigid core luxury vinyl flooring with a floating system & using click & lock joint, can be easily installed on different type of floor base.

Specifications of Camfly SPC Flooring:

- Thickness: 4.0 mm / 5.0 mm
- Size: 48" x 7" (1220 mm x 180 mm)
- Wear Layer: 0.3 mm
- Weight 4mm: 1.8 kg / per sheet (8.2 kg / per sqm)
- Weight 5mm: 2.25 kg / per sheet (10.25 kg / per sqm)

4.0 mm / 5.0 mm

180mm

1220mm

Structure:

UV Overlay (UV protection layer provides the ability to effectively resist ultraviolet rays)

Wear Layer for superior wear resistance

Colour Film (Decorative Pattern)

SPC Core (Solid Vinyl Core)
High-density Calcium Polymer base

Easy drop-and-lock installation with DropLock 100 end joints
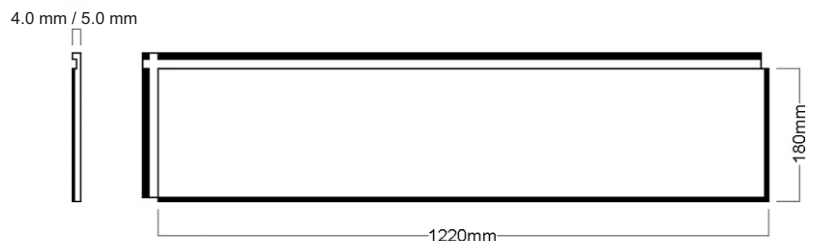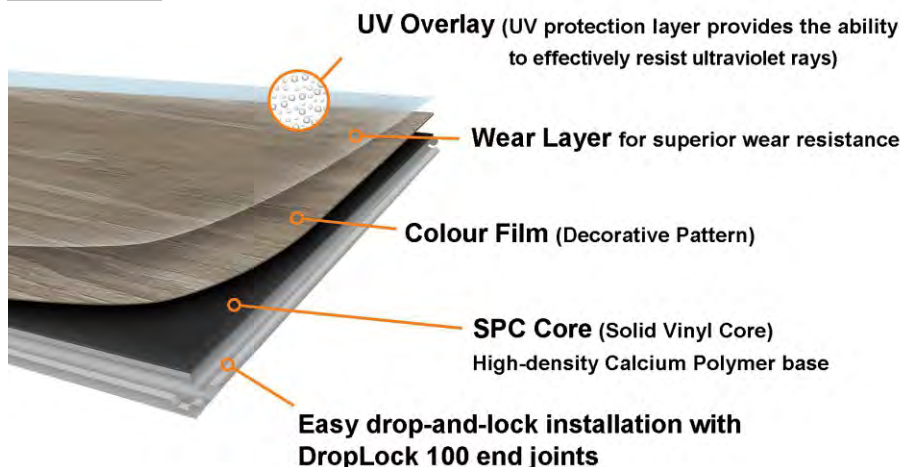
Surface:

Deep Embossed

SPC Rigid vinyl flooring is at least 50% better than traditional luxury vinyl tiles in physical performance owing to improvements in the dimensional stability, which is now four-times better. The SPC flooring is not only popular in North America and Europe, but also getting hot in Southeast Asia, Latin America and Africa, due to its amazing performance under huge variations of temperature and humidity.

Key Advantages:

◇ **Water-proof & Fire-retardant**

100% absolutely water-proof, can be installed in kitchens, bathrooms, laundry rooms and basements.

Fire-retardant, the flame on SPC flooring will be automatic out in 5 seconds and won't produce toxic or harmful gases.

◇ **Health, Safety & Environmental**

Safe & Sustainable, Say goodbye to formaldehyde, Anti-mildew and Anti-bacterial. Our products have passed the tests from more than 179 different types of hazardous materials and other chemicals;

◇ **Heat-and-cold Resistance**

No curling even in higher/lower temperature environment. SPC flooring can bear the temperature difference from -75°C to 80°C. The dimensional stability is brilliant.

◇ **High Strength**

High density Rigid core material, much stronger than regular LVT & strengthened click system.

Of course, SPC is also Anti-abrasion and Anti-slipping.

◇ **Incredibly Stable Quality**

Extremely stable, few expansion and shrinking (0.06%), this is the biggest advantage compared with regular LVT, WPC or laminate flooring. With the new upgraded formula, SPC flooring is more Rigid and stable, which enables it can be installed everywhere even suitable for under floor heating.

◇ **Others**

Superior indentation resistance.

Glue free, easy installation with click & locking system.

Super construction - Engineered for durability & designed for fashion

Attached XPE/EVA/CORK underlayment - provides acoustical benefits, comfort underfoot & will not support mold or mildew.

Click install   Micro bevel

100% WATERPROOF
SPC FLOORING
the newest generation of rigid core luxury vinyl flooring

DS — EN 13893:2002
C_fl-s1 — EN13501-1:2007
Water-proof
Wear-resistant
REACH Directive 1907/2006 www.REACH.sar NPS
SGS
FSC
CERTIFIED CARB ATCM 93120
floor score
CE
ISO 9001

Why choose SPC Flooring? Here are 4 things you need to know
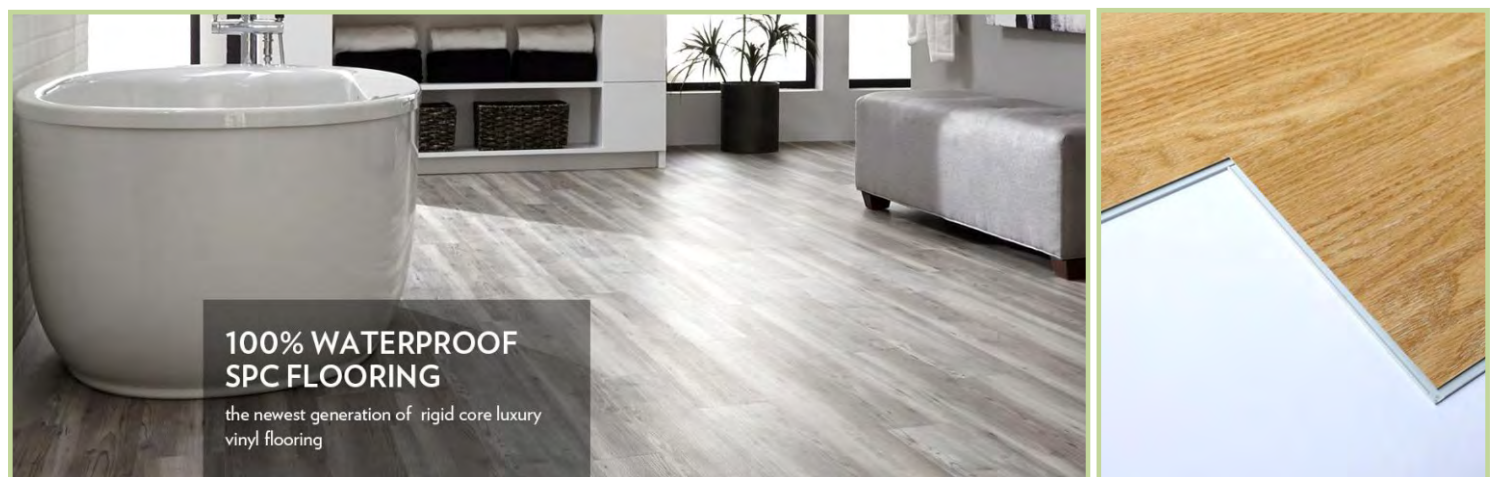
1. Vinyl Flooring Market Trend

It is no secret that laminate flooring is one of the most popular flooring choices in the market. But ever since the US "poison floor" incident, exports decreased 70% which brought a huge negative impact to laminate floor manufacturers. In the recent years, the United States has continuously raised the threshold of imports of wood products. Just a few months ago, the US Environmental Protection Agency (EPA), published a rule for the implementation of the 2010 Formaldehyde Standards Act for wood products which are imported and locally produced in the US. Therefore, we are expecting growth in the production of SPC flooring in the coming years.

2. Vinyl Flooring Market Demand

Luxury Vinyl Tiles (LVT) and Wood Plastic Composites (WPC) flooring sales have increased dramatically in the past few years. In 2014, a new WPC flooring was introduced at the International Exhibition but due to glue, deformation, and warping issues, flooring companies have decided to launch a single layer of stone plastic with a wear resistant layer and a printing layer called the Stone Plastic Composite (SPC rigid vinyl flooring) which was launched at the International Exhibition in 2017. It easily became popular and the trend in floor covering which also attracted many foreign buyers.

3. SPC rigid vinyl flooring Advantage

SPC rigid vinyl flooring, also known as Rigid Vinyl Plank is based on a high tech development of a new environmentally friendly flooring which is 100% formaldehyde free. Unlike laminate flooring, SPC rigid vinyl flooring is produced with 100% virgin PVC and extruded the substrate from the extruder with T-die. Then use three or four rollers calendar disposable heating and laminating PVC wear layer, color film and PVC substrate material together. The process is simple, laminating complete according to the heat, GLUE FREE. It is 100% waterproof and is fire resistant. It's very durable, easy to be maintained and also has a variety of easy installation option (which is the same as LVT) to choose from.

4. Why is SPC flooring popular in the market?

SPC rigid vinyl flooring is 100% Eco-friendly because it uses environment friendly formula. It does not contain heavy metals, phthalate, methanol, and other harmful substances. It complies with EN14372, EN649-2011, IEC62321, GB4085-83 standards. It is becoming very popular in Europe, other well developed countries like the United States, as well as the Asia Pacific market. By virtue of its excellent stability and durability, SPC rigid vinyl flooring not only solves the solid wood flooring damp and mold problem but also solves formaldehyde problems. It is economic and also has different color patterns to choose from. Great for home, hotels, hospitals, shopping malls, and buildings.

These are only some of the many great advantages of having a SPC rigid vinyl flooring. It's Eco-friendly, very durable, easy to maintain, and very affordable. You will certainly never go wrong with a SPC rigid vinyl flooring.

Camfly SPC Flooring warrants that its Rigid Core LVP Waterproof flooring will be free from manufacturing defects and, under normal use and maintenance, will not wear, fade or stain resulting in loss of original pattern and color, and the structural integrity of the flooring itself will not be materially damaged by water exposure from the date of purchase for a period of:
10 Years Limited Residential, 5 Years Limited Commercial
This Limited Warranty only applies provided the flooring covered by this warranty is installed and maintained according to the current SPC Flooring Installation & Maintenance Guide. Our warranties DO NOT cover any problems caused by inadequate substructures or improper installation.

8001	8004	8681
8683	892-B	11710
50083	88017	88081
88914		89721

➢ *Much of 89721# is supplied in the 1220*180*4mm size, though 610*305*4mm is also available for the moment.*
➢ *Camfly SPC Rigid Vinyl Flooring will be available in a wide variety of colours and designs.*
➢ *Colors as shown in the catalogue may vary from the actual colors of the products.*
➢ *Visit your nearest Camfly stockist to confirm your final selection.*

8112-1

81132-6

81164-1

81169-1

82016-8
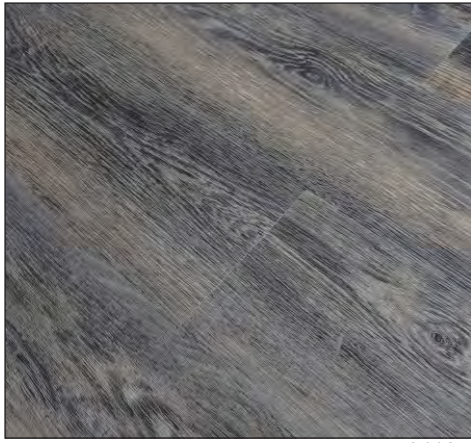
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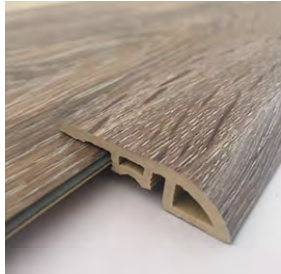➢ *Visit your nearest Camfly stockist to confirm your final selection.*

◆ ACCESSORIES

Skirting 80-1
- ✧ Size: 2400 x 80 x 15 mm

Skirting 100-1
- ✧ Size: 2400 x 100 x 17 mm

Skirtings (Baseboards) are used to cover the joint between the wall and the flooring surface.

Reducer
- ✧ Size: 2400 x 43 x 10 mm

Reducers are used to transition from SPC flooring to floors of different height.
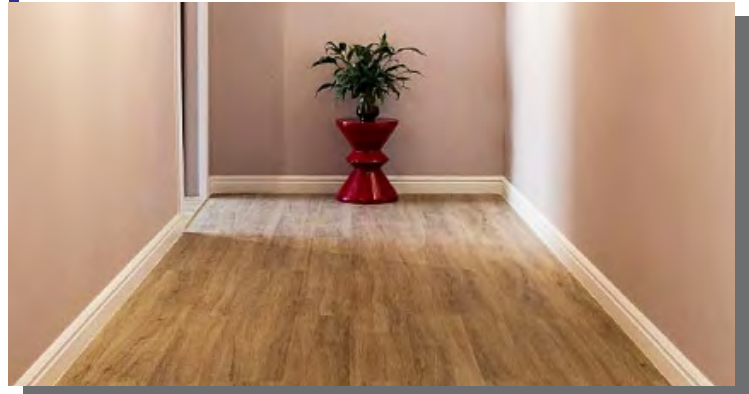
T-Molding
- ✧ Size: 2400 x 46 x 7 mm

T-Moldings are commonly used in doorways to join two flooring with same level.

Underlayment
- ✧ Size: 16900mm x 1100 mm x 1.5 mm

Underlayment (EVA) is placed underneath the flooring to provide comfort underfoot and to provide insulation against sound, moisture and heat.

◆ SPC FLOORING INSTALLATION

The installation of SPC Flooring is a relatively simple DIY project that you can do yourself. To start off, ensure the subfloors are complete level and smooth. Fill any small dents and sand down protruding parts of the surface if necessary. The boards are cut in a way that each subsequent piece will have grooves that click into one another. This means the entire floor will not need an adhesive or nails to stay in place, giving you a no mess, no fuss experience.

PREPARATIONS

1. Concrete (or Wooden) subfloor must be clean, dry and structurally sound.
2. The installation of the SPC flooring requires a higher level of flatness of the subfloor. It is advisable to do self-leveling cement job before installing the SPC flooring for uneven subfloor. Concrete (or Wooden) subfloors should be flat and leveled with a tolerance level of 1.0 mm only per 3.3 meters radius.
3. Concrete subfloor must be fully cured for at least 60 days prior to SPC flooring installation.
4. All necessary subfloor patching must be done with a non-shrinking, water-resistant filler.
5. Something like carpet, cushion vinyl, polish, paint, dirt and particle should be removed from the job surface.
6. Maintain the room temperature above 15°C before installation.
7. Check whether the doors can be still opened or closed after flooring has been installed (minimum 1 cm).

KEY INSTALLATION CONSIDERATIONS

a. Use an underlayment (1.0/1.5 mm) rather than installing the SPC flooring directly on the substrate/subfloor. Underlayment is not allowed to be more than one layer/sheet. Any rubber mats or glue cushions are prohibited from replacing underlayment.
b. Do not install the SPC flooring over your existing flooring, tile, cushion vinyl, carpet or mat, as SPC flooring cannot effectively bridge over or smooth out substrate imperfections in the way that thicker, inflexible floor coverings can. If surface is flat and leveled, and has no embossing, and grout lines are very thin, the tile floor can be used for a proper substrate.
c. Should absolutely never ignore expansion space throughout installation of the SPC flooring. Allow a minimum 6.0 mm expansion gap around the entire perimeter of the room and all vertical obstructions. Large spans exceeding 6 m in the SPC flooring width, should require the addition of internal or field expansion. This can be accomplished by using spacers, such as small T-moldings. If installing the SPC flooring multiple rooms it is highly recommended that T-moldings be used to separate rooms.
d. Never nail, screw or glue the SPC flooring down, as well as any other fixture.
e. Do not install the SPC flooring in areas that are permanently exposed to the sun.
f. Ensure that all installing products must be in the consistent batch number.
g. Position the SPC flooring plank to be installed at an angle of 15° to 20° to the plank already installed. Move the plank gently up and down and at the same time exert forward pressure. The planks will automatically click into place. You can either insert the tongue into the groove, or the groove into the tongue.

◆ SITE CONDITIONS

a. It is advisable for any wallpanel or partition to be installed at first before install the SPC flooring. During the period of installation, covering is required to protect the completed flooring.

b. If the condition of subfloor is not well prepared, any particles trapped underneath will cause lumps and bumps on the SPC surface. This will cause serious flooring issues over time and can even lead to rip and tear of SPC flooring parts.

c. All base cabinets must be installed prior to installing the SPC flooring. Do not install base cabinets or island cabinets on top of the SPC flooring.

d. Heavy furniture, sands or any sharp objects will leave scratches and abrasion on SPC flooring surface. Extra care is needed when it comes to contact with sharp and abrasive objects.

◆ INSTRUCTIONS

01

SET SPACERS
Create the required expansion space between planks and perimeter walls using 9.5mm spacers on short and long ends of plank. For rooms wider than 6m, the 6mm expansion spacers should be used until installation is complete.

02

INSTALL 1ST PLANK
Position the first plank against the 9.5mm wall spacers along the starting wall beginning at the corner of the room. Tongue side of plank should be facing the starting wall.
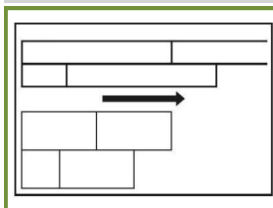
03

LOCK END JOINTS
Install the next plank of the first row, locking short end of plank to the first by inserting tongue into groove at an angle and drop in place. Continue installing each plank until end of first row is complete. Cut last plank of first row as needed to fit.

04

ESTABLISH STAGGERING
For random length installations, there must be at least 200mm stagger from row to row throughout the entire installation. For a brick laid pattern for fixed length floors, planks should be offset by 1/2 their length and laid accordingly.

05

1ST PLANK, 2ND ROW
For random length installation, cut the first plank for the second row to 1/3 its length and insert the long tongue edge of the plank into the long edge groove of the first row plank. Make sure there are no gaps between planks. Use pull bar as needed to close tightly.

06

2ND PLANK, 2ND ROW
Insert the short tongue of a new plank into the short groove of the previously cut plank and then insert the long tongue edge of the two attached pieces at the same time into the groove of the first row. Use the pull bar as needed to ensure a tight fit.
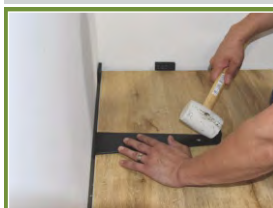
07

CONTINUE 2ND ROW
Lock long edge of plank by inserting tongue into groove at an angle and drop in place. Slide plank toward end of previously installed plank until the tongue just touches the groove. Use tapping block gently on short & long edge to ensure a tight fit.
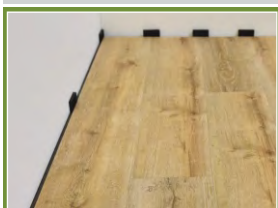
08

LOCKING PLANK INTO PLACE
Tap ends of plank with rubber mallet and tapping block gently to lock ends of planks together. Be sure to tap on short end groove sides of panels to avoid damaging the locking profile. Use pull bar on long edge of plank to ensure tight fit.

09

INSTALL REMAINING ROWS
Insert the short tongue of a new plank into the short groove of the previously cut plank. Place the short, cut edge against a spacer and insert the long, tongue edge of the two attached pieces at the same time and continue process until completion.

10
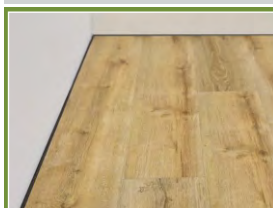
FINISH THE JOB
Remove spacers. Cover expansion space with baseboard, quarter round or other trim as desired. Use flexible caulking to fill expansion gap around bathtubs or showers. Make sure not to pin down the floor underneath molding.

Warning: Do NOT use ball type castors as they can damage the floor. For office chairs soft-wheeled castors must be used. Heavy furniture and appliances should be equipped with non-staining large surface floor protectors

COMPARISON OF FLOOR COVERINGS

	Camfly SPC Flooring	Laminated Flooring	Vinyl (LVT) Flooring	Ceramic Tiles
Waterproof	√	N/A	√	√
Fire Resistant	√	N/A	√	√
Eco-friendly	√	N/A	N/A	N/A
Wear Resistant	√	N/A	√	√
Fouling Resistant	√	√	√	√
Dent Resistant	√	√	N/A	√
Slip Resistant	√	N/A	√	N/A
Stability & Sturdiness	√	√	N/A	√
Easy & Fast Installation	√	√	N/A	N/A

*   *SPC: Stone Plactic Composites,   LVT: Luxury Vinyl Tiles,   WPC: Wood-Plastic Composites*

STABILITY TEST REPORTS *(Provided by Camfly Partners)*

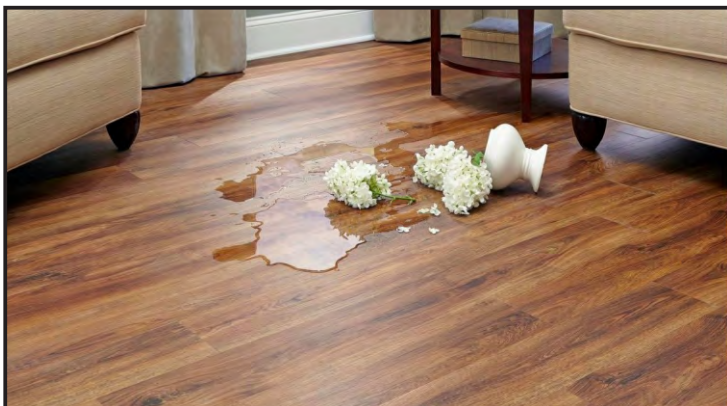### 1. Dimensional Stability and Curling after Exposure to Heat

Test Method	Test Result	
With reference to BS EN ISO 23999:2012	Dimensional Change (%)	Manufacturing Direction: 0.06 Across-manufacturing Direction: 0.03
	Curling (mm)	0
Remark	Specimen Dimension: 260mm X 90mm X 5mm, 3 pcs Test specimens were cut from the original sample Heating Temperature: 80°C Heating Time: 6 hrs	

2. Peel Resistance

Test Method	Test Direction	Peel Resistance (N/50mm)	
		Individual Value	**Average Value**
BS EN ISO 24345:2012	Machine Direction	80	80
		80	
		75	
	Across Machine Direction	80	75
		70	
		80	
Remark	Specimen Dimension: 150mm X 50mm X 4mm, 6 pcs Loading Rate: 100mm/min		

TECHNICAL SPECIFICATIONS *(Provided by Camfly Partners)*

Technical Specification	Standard	Characteristic / Result	
Fire Classification	DIN 4102	Flame Retardant B1	Flame Retardant B1
Wear Resistant	EN 13329	AC3/W31	No Visible Change
Stain Resistance	EN 13329	Rating 5	No Visible Change
Thickness Swelling	EN 13329	Average ≤ 0.06%	Average ≤ 0.06%
Light Fastness	EN 13329	Grade 6	No Discolouration

PVC CEILING & SPC FLOORING

14 Years of Manufacturing Experience in South Africa