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Windows • Doors • Partitions



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# COMPANY PROFILE

CAM uPVC is the pioneer to introduce the concept of uPVC windows and doors in south India. CAM uPVC has its factory located at Perumbavoor in Ernakulam district, Kerala. CAM uPVC Windows and doors are made of high quality Kommerling international uPVC profiles which gives our windows lifelong warranty and better living. They are crafted to the highest quality specifications making it ideal for Indian climatic conditions. Moreover, our onsite installation facilities are top-notch.

CAM uPVC has installed over 10 lakh sq. ft. of uPVC windows and doors. Our customers are assured of design support, offsite fabrication, firm commitments on deliveries and a trained installation team, to ensure consistent quality and timely erection. The outer wall thickness of all CAM uPVC profiles is more than 2.5 mm, with tropical mix impact resistance as per International standards as well as welding strength in accordance to EN514.

CAM uPVC has designed uPVC windows and doors to withstand India's extreme climatic conditions. With CAM uPVC, customer is assured of end to end service starting from selecting right designs, site survey, fabrication, delivery and installation. As window experts, CAM uPVC takes pride in its ability to serve individual homes and large developers with equal ease. Our windows are available in a wide range of styles (astragal bar, French, shaped, tilt & turn and casement) and colours. CAM uPVC windows will not only improve the appearance and security of your home but also reduce your energy bills by choosing products with a high Window Energy Rating.





CAM uPVC windows offer a number of benefits over conventional wood, aluminum and steel windows. These benefits include:

- Noise and Dust Proof, Silicon sealing, multi point locks and non-conducting properties of UPVC make these windows noise and dust proof. The company has engineered a special window for heavy torrential rains. Windows to withstand high wind speeds by imparting additional strength.
- Ventilation: Ease of use allows ample ventilation and sunlight in the house. Maintenance free and long lasting These windows do not require paint or polishing and are therefore maintenance free.
- Saves Energy These windows cuts air conditioning costs significantly.



# CAM uPVC?

We are formost company to introduce uPVC window and doors in south India late in 2009. We are the largest producer and market leader in Kerala, Tamil nadu and Karnataka. We produce over 2 lakh sq. feet of windows and doors each year. Our windows and doors are made of highest quality machines from muller and elumatec and we have very trained powerful team to handle any type of tough situations. We deal with international branded products like kommerling, assa abloy, mccoy soudal, saint gobain, yale locks, roto frank, pego etc. for producing our windows.

Our relationship with internationally renowned brand kommerling from profine international group which is largest producer of uPVC profiles gives us so much support in terms of best quality profiles and gives us all sorts of technical and practical know how about what to do and how to do? We are the one and only direct channel partner of kommerling exclusively for kerala market.





We are the only company in south india which have the technology to produce all type of special windows including tilt and turn windows, lift and slide and bi-folding doors. We educate our customers and make them understand the importance of choosing international profiles like kommerling for their homes. We always look for your brighter and better future and also for our better future. We believe in our strength, quality, workmanship and our customer relationship.





# TYPES OF WINDOWS

#### **CASEMENT WINDOWS**

Casement upvc windows also known as openable windows are the ones which are openable inward or outward depending upon the requirement of customers. Casement windows are mainly of French windows, Bay windows, Georgian style windows, Top hung windows and ventilators, Fixed windows etc.

Casement windows are much used in residential projects and houses. We mostly prefer casement windows for better sound proofing. Casement windows with DGU glass technology will give the windows a sound proofing upto 42 db. Casement windows are mostly commonly preferred windows. With the help of multipoint locking system in a single handle operation, casement windows will protect the house from all sorts of burglary.

All our windows are custom sized .Therefore window design, window measurements and glass options are totally in interest of customers.



#### SLIDING WINDOWS

CAM uPVC sliding windows are windows which slide from one position to another in a smooth and stress free manner. uPVC sliding windows are available in different patterns. Two shutter sliding, three shutter sliding, and two track four shutter sliding are some of the commonly used sliding windows. Sash of Sliding windows are moved using rollers. In sliding windows mosquito mesh can also be fitted on all patterns. Large sliding windows and doors always gives a wide panoramic view of nature. Size of shutter, direction of opening, patterns always depends on customer needs.

#### TOP HUNG WINDOWS

Top hung windows are the ones which opens top ward. Normally used in commercial building and also used are washroom ventilators. Top hung windows are very effective against sound. Therefore top hung windows are in huge demand for cities just like casement windows. Top hung ventilators are done normally with an extra provision for exhaust fan for washrooms.

#### TILT AND TURN WINDOWS

Tilt and turn windows is a special type of window which have multiple functionality. One way of opening is just like a casement window and the other way of opening is like an inside opening top hung window, which gives a great advantage for ventilation purpose. Tilt and turn windows are very famous and common style of windows in European countries.

#### COLONIAL STYLE WINDOWS

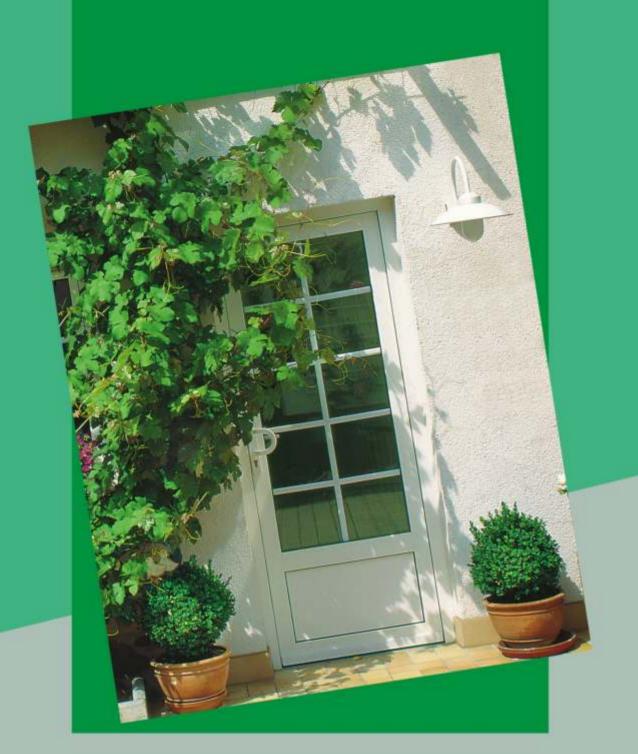
Colonial style windows are those types of windows which have a similar style with olden wooden windows but with best in class security with multipoint locking features. Colonial style is of very demand in indian market colonial style is only available with our premium brand kommerling international profiles. Colonial style is also possible with casement doors, sliding windows, sliding doors etc. colonial style is stylish segment in uPVC window market now a days.

#### **BAY WINDOWS**

Bay window are beautiful contemporary style windows which gives classy look from inside as well as from outside. Bay window can be done in combination of fixed cum casement as well as fixed cum sliding window. Bay windows with Georgian design is a style segment in European countries. Design of bay, the shape of window, type of glass etc depends on customer needs. Customers are always welcome to choose their own style of windows.







# DOORS

#### **Casement Doors**

Casement doors with uPVC is widely used for offices, bed rooms and toilet doors. Casement doors are very strong in terms of profile thickness and high quality hardwares. Hardwares used in casement doors are multi point cylindrical style locking in single handle operation. Casement doors are done commonly with full glass inside, half glass and half panel, and full panel doors. Glass to use always depends upon the choice of customers. Toughen glass, double glazed glass, laminated glass, tinted and frosted glass are some of the common used glass options.



#### Lift and sliding Doors

Lift and slide doors is a special type of upvc sliding door which doesn't have a sliding track on bottom and each shutter can go up to 1.5 meter in width. Lift and sliding upvc door is assembled using high quality roto hardwares. Only kommerling international profiles have the technology to produce these type of heavy sections. We have a good team to assemble special windows including lift and slide, tilt and turn, bi-folding upvc doors.

#### Sliding balcony Doors

Sliding balcony doors are those types of sliding doors which are fixed on large balcony areas. Two track sliding doors, three track sliding doors, two track four shutter sliding doors etc are some of the commonly made balcony sliders. Shutters of balcony sliding doors are moved on an aluminum track with the help of rollers. Locking of balcony doors are done through multi point single hand operated locking system which is available with key and also without key option. Balcony sliding doors are very commonly used in apartments and villas with large glass areas.

#### **Bi-folding Doors**

Bi-folding door is special type of door which can be slide, folded and moved fully towards one side. Minimum of 3 shutters should be used in Bi-folding doors and each shutter shouldn't be less than one meter .Bi-folding door are generally used in very large balcony openings. Bi-folding doors are very popular type of door design in Europe and America and it is now of great demand in Indian market.







# **KÖMMERLING®**

# more than just a window

Profine is the emphatic answer to the complex development of the international market for uPVC profiles. Under the brands KBE, KOMMERLING and TROCAL, we produce uPVC profiles for windows and doors, shutters and façades as well as uPVC sheets.

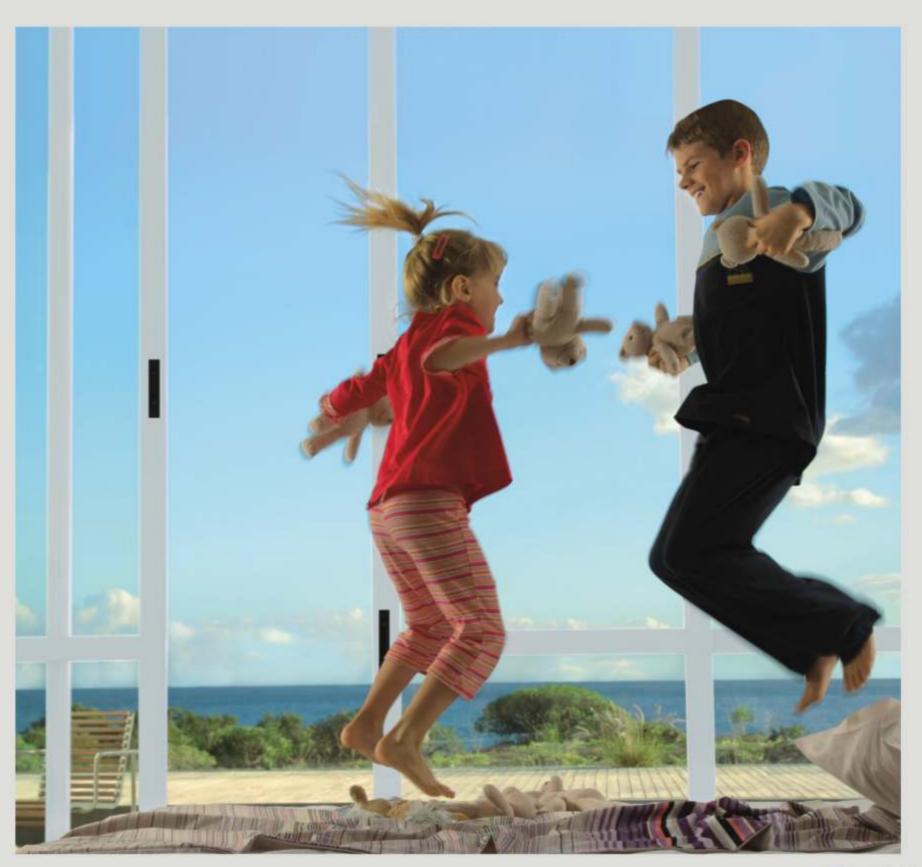
Profine GmbH -International Profile Group – was established in 2003, when HT TROPLAST consolidated its profile business activities under one roof. The profine company headquarters is in Troisdorf (North Rhine-Westphalia, Germany).

Today, plastic is the most successful window material and its market share is constantly growing. In residential construction, its share is of 60 % whereas even seven out of ten windows used in renovation of old buildings are made of plastic materials. KOMMERLING offers a large number of window systems. So, every design wish can be fulfilled with different frame and sash heights and depths, double-sash elements without fixed centre post, transom/mullion combinations, real Georgian bars etc.

The product range is rounded out with window sills, safe roller and French shutters, PVC-U sheets for the building industry (used for example as residential door panels), cladding and balcony systems.

Efficiency, design, function, physical properties, the environmental protection and responsible handling of raw material resources meet the highest requirements and combine perfectly with the know-how of the window manufacturers to everyone's benefits.

With the KOMMERLING brand, we face the challenges of the future with confidence, honesty and transparency. So, we can prove our leadership position in the window profile sector every day.



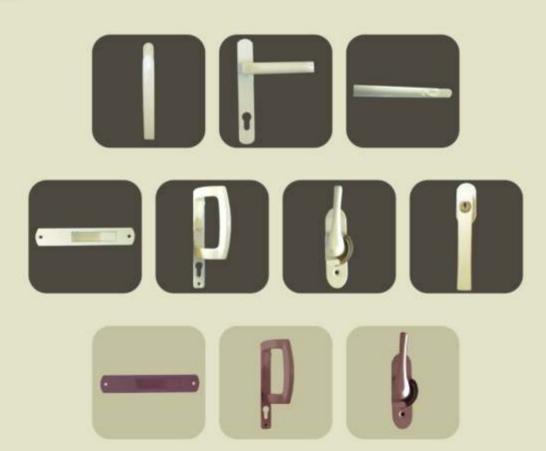






# CAMUPVC Hardwares & Accessories

CAM uPVC windows purchase all its hardwares from pego, assa abloy and Roto frank, Germany. We never compromise on quality. Our Hardwares are the best available in upvc window market. We always believe better windows needs better Hardwares. We have all types of Hardwares including special window Hardwares. We only provide SS 304 grade material hinges and screws. Our team is well equipped with all types of machines and technical know how about hardware assembly.



# **Greenline Windows**

We are very proud to become a channel partner kommerling international profiles which is Green line uPVC profile brand,. Kommerling profiles are 100% green environmental friendly. Kommerling profiles are lead free and to stabile the pvc , profile calcium zinc is added in proportion. All the materials are made of PVC – U i.e. PVC without plastic. Therefore all the profiles made by kommerling is completely free from toxic heavy metals.

Kommerling under profine india is also a member of Indian green building council under membership no: "IGBC-MP-1363".

Please download the certificates from our website for better understanding.

# CAM uPVC vs Wood and Aluminium

CAM uPVC compared with aluminum and wood are always stronger, safer, sound resistant, heat resistant and burglar proof. uPVC windows are the most advanced innovation in the window history. Please check the below table which shows the comparison of uPVC with other traditional materials.

Particular	uPVC	Aluminium	Wood
Surface quality	The surface quality is maintained throughout its useful life.	Anodizing wears out and corrosion sets it.	Requires regular up keeping.
Thermal insulation	Excellent protection from atmospheric heat transmission due to wider profile depth and multi chamber section & low K value.	Poor. Being a metal, it has a poor thermal insulation, and high thermal conductivity.	Fair
Fire resistance	Excellent	Fair.	Poor
Acoustic insulation	Excellent. The multi chamber sealed cavities and welded corner offers excellent acoustic insulating properties	Poor. The mechanically joint corners renders very poor result from acoustic insulation angle.	Fair
Dimensional accuracies	Excellent. Fabricated by state of art sophisticated machine hence offers uniform quality control	Poor. They are fabricated manually hence poor quality and non uniformity.	Fair
Conservation of energy	Excellent	Require 7.5 times the energy than that required to manufacture PVC	#
Preservation of natural forest wealth	Excellent	Excellent	Poor
Maintenance	Less maintenance due to pristine appearance. No periodical paint work or lubrication required. Just simple cleaning with any detergent will keep the window as new as ever	Regular maintenance should be done	Requires regular Painting and Polishing
Durability	Much stronger due to galvanized iron steel reinforcement.	Good	Good
Warping	Does not warp. Last for a lifetime	Can warp	Can Warp
Rot, rusting or corroding	Doesn't Rot, Corrode or Rust	Will rust, corrode	Changes due to climatic conditions



## CAMUPVC for An Exotic Window Innovation



#### WEATHER PROOF WINDOWS

CAM uPVC windows are evolved out of long time research and laboratory tests which studies in depth about Indian climatic conditions. Our channel partner kommerling have about 60 years' experience in the field of windows and window profiles. Kommerling is the only international profile company which gives written warranty for about 10 years including colour. Our technicians have studied in depth the whether fluctuations in India and came up with beautiful weather resistant windows. Our windows are totally sound proof, termite resistant, fire resistant and burglar resistant. Our windows are therefore totally maintenance free. CAM uPVC windows always focus on customer satisfaction and therefore aiming towards better future of our company. We never compromise on our quality. Our windows are not cheap in pricing. We always recommend our customers to give the right price for the right product.







#### MONSOON PROOF WINDOWS

CAM uPVC windows are developed in such a way that resists any type heavy rain to enter inside the house. All type of windows are quality tested whether proper water hole is drilled inside and outside for proper out flow of water. Our kommerling profiles are designed with a mild slop for proper water sewage through holes. Proper leveling of shutters are equally important for proper water sealing. Each system of windows have each type of method to prevent monsoon rain from entering the indoors. Our channel partner kommerling have given us in depth knowledge about ways to with stand any type of vigorous situations. Our technicians are well trained by experienced hands kommerling.

#### RESISTANT TO STRONG WINDS

Strong winds are always a barrier for conventional wooden and aluminum windows. But when it comes to CAM uPVC windows, the story is all different. Our windows are full air tight. It doesn't allow to pass any strong wind to pass through them. It have the strength to withstand any type of situations. Our channel partner kommerling have all type of wind resisting accessories to withstand any high pressure winds.









Architects and other professionals also play a very important role in Window design and approval of profile brand. Kommerling is the no 1 choice of all architects all over India and across the globe. Architects are well aware about the brand kommerling, profile composition, quality and support. Kommerling is the only profile brand which is insured with 10 years warranty for profile including color. It has over 1500 profile ranges across the globe. It has its profile manufacturing units in eight countries including India being the latest. Kommerling India is located in Vadodara Gujarat. We have invested over 250 cr in India.

In terms of hardwares, we supply only assa abloy hardwares for normal windows and for special windows like tilt and turn, bi-folding, lift and sliding, we supply only Roto frank. We have a great support team from assa abloy hardwares which is also the mother company of famous Yale locks.

Below are the profile details with drawings of kommerling section. Also please check out the type of handle and hardware's etc.



#### WINDOW DESIGNS

Any type of window design is possible with CAM uPVC profiles. We produce windows out of Kommerling international profiles, which is an internationally accepted profile which is best in class quality and has over 60 years' experience in the field of profile manufacturing and which is 1st company to introduce uPVC windows and profile system to the world. We are very proud to become one of the best channel partners of kommerling international and we are very satisfied to give our customer best in class quality profiles. We have all type of window designs including special windows like tilt and turn windows, lift and sliding windows, bi-folding windows. Casement windows, French windows, colonial style windows, bay windows, curved windows, sliding, top hung, balcony sliding doors etc are some of the commonly made windows. We also make any type of combination window are per the requirement of the customers while keeping up the technical aspects side by side.





CAM uPVC windows channel partner of Kommerling is very delightful to introduce color option for upvc profiles. kommerling color profiles are done using renolit lamination foils which includes a warranty of 7 years. Following are the colors which are in great demand in today's market. We supply laminated profiles in white profiles as well as brown profiles. Window design, color, glass options are always in the hands of the customers to choose.



COLOUR



YOUR DESIRE







9.2052 789-116701 Dark Oak (Eiche Dunkel)

9.2097 713-116701 Mahogany

9.3162 702-116701 Macoré

9.2178 707-116701 Walnut V (NUSSBAUM V)

9.3149 708-116701 Rustic Oak (EICHE RUSTIKAL)



WARRANTY AGREEMENT



profine GmbH, Mülheimer Straße 26, D-53840 Troisdorf

and

#### CAM Windows,

KPV/667-8, Pappanpady, Koovappady, Perumbavoor, Emakulam District-683544, Kerata, India

have agreed as follows:

KÖMMERLING uPVC window profiles are produced by profine GmbH KÖMMERLING KUNSTSTOFFE using state-of-the-ert technology. These profiles are suitable for the manufacture of windows and doors.

 Form design according to measurements, mechanical and thermal characteristics of uPVC we profiles in accordance with EN 12608: 2003-09, for window profiles made from 5 for the duration of 10 years exclusively for the colours white (654) and cream (lvory, 607).

vess and resistance to weathering in accordance with EN 12608: 2003-09, 4.2 for re climate (S), subject to the regulations of EN 513:1999-10

y period begins with the delivery of the uPVC profiles under the following contitions.

processing instructions given by profine GmbH KÖMMERLING KUNSTSTOFFE in manufacturing guidelines manual shall be observed in all cases. accessories recommended by profine GmbH KÖMMERLING KUNSTSTOFFE shall

lie deficiencies must be notified in writing within a period of ten working days starting the delivery date.

load-bearing or supporting filting elements (such as hinges, corner supports for tilt and windows or lockings) must not be fixed in the PVC parts only but have to be screwed irrectly with the steel reinforcement wherever possible.

vent that these conditions are not fulfilled any liability under this agreement shall be ex-

ly claims can only be offset against liabilities if these claims have been accepted by in writing.

eement diverging hereof must be made in writing and requires the explicit approval by seral Management of profine GmbH.

manty shall be valid for India.

a for any warranty claims and place of jurisdiction shall be Troisdorf, Germany.

rf, 13.06.2014

Ernakulam,

primer Genthi Multinomer Stralie 26: D-53840 Transcort Genthistologing Dr. Peter Mossis (Genthistologies Genellacherter), Umula Kritzschw.

Robert Thiroff Heat of Sales Area VI

our technicians.

rofine GHOH



Certificate

KÖMMERLING PVC-U window and door systems in India.

CAM Windows

The company fabricates KÖMMERLING window and door

The production is supervised and continually improved by

systems according to DIN, BSI and EN.

profine GmbH KÖMMERLING KUNSTSTOFFE, Germany, certifies our fabricator producing

profine India Window Technology Pvt. Ltd.



KÖMMERLING\*

profine GmMI, KOMMERLING KUNSTSTOFFE





#### ERNAKULAM

Mather Builders Veegaland Developers Nest Infratech VKL Builders Sealord Group Of Hotels Hotel Vedanta, Kaloor Ac City Builders & Developers **KVJ Builders** Meridian Homes - Prime Meridian Grand Meadows Abad Builders Kochin Towers Anna Properties Sonia Palms Art Of Living Sonia Regency

#### TRIVANDRUM & KOLLAM

PRS Lake Ville - Aakkulam Abhilash Group M H Trust - Ace Engineering College Convention Center, Kilimanur Artech Realtors Al Arif Hospital National Engineering College

#### THRISSUR, GURUVAYOOR & MALAPURAM

Ambalath Builders Sundale Builders Devadatham Builders Skyarc Builders Inkel Educity















#### CALICUT, WAYANAD & PALAKKAD

Malabar Builders And Developers Cresent Builders Royal Palms, Kozikode Wayanad Weekend Homes, Mepady Le Coffee, Sulthan Bathery KTDC, Karapuzha Dam Site Ahalia Group Of Hospitals

#### KOTTAYAM AND PALA

Theruvath Builders KCC Homes Trine Holding Villas New Court Complex Govt. Hospital Mundakayam Mini Civil Station - Ponkunnum

#### ALLEPEY

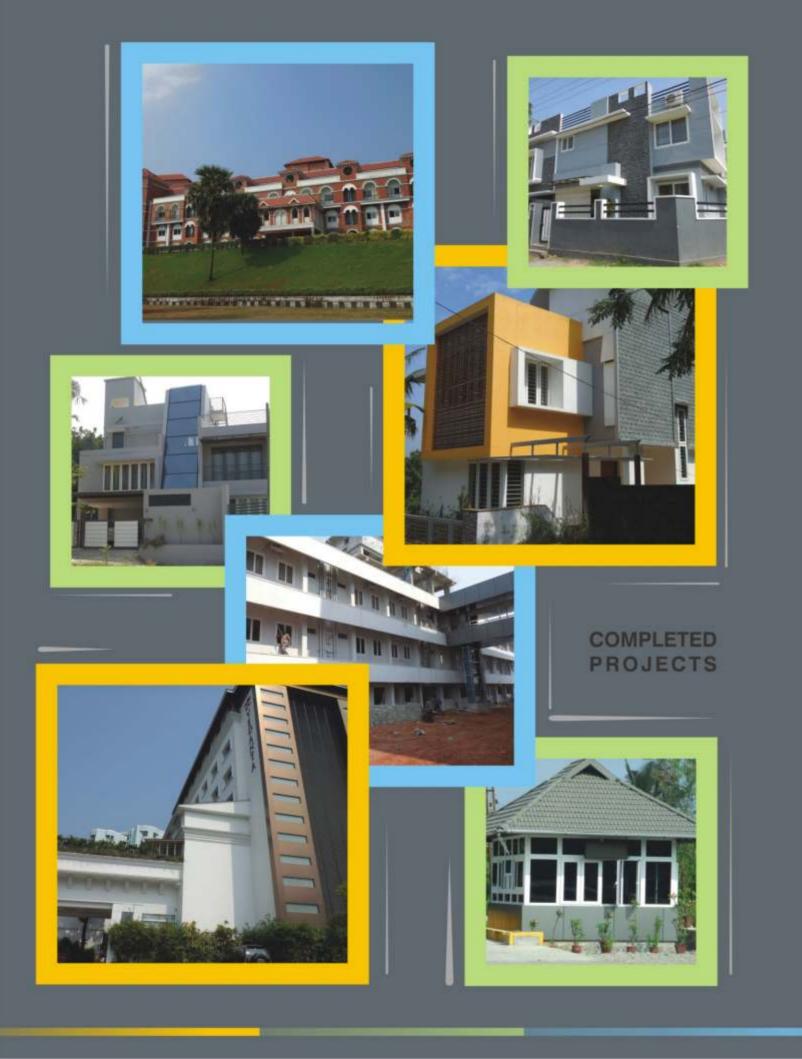
The Haveli Backwater Resorts Camelot Convention Center

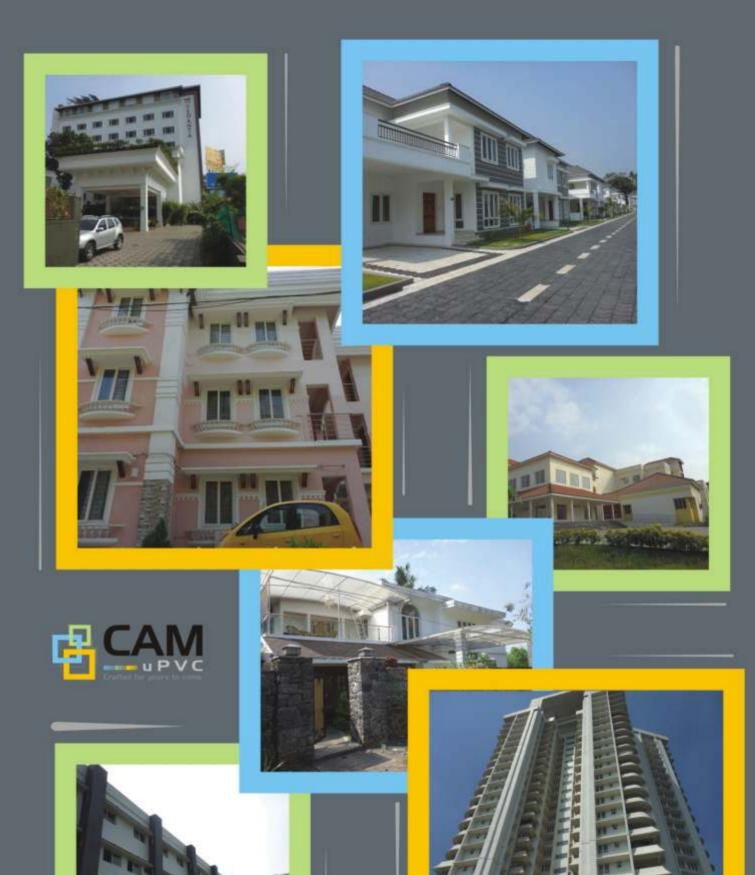
#### IDUKKI AND MUNNAR

Las Palmas - Devikulam, Munnar
Wein Burner, Anchal
EAP Jewellers, Wagamon
Stream Valley Villas, Thodupuzha
Deep Woods - Lekshmi Estate, Munnar
Chethiparambil Rubbers, Karikkunnam
St. Joseph Church, Kuttikkanam
The Fog, Munnar
Tea Harvester, Dhobipalam
Panoromic Getaway, Anachal
Cee Cee Group Guest House, Anachal
Love Shore Adobes, Bodimettu
The Leaf, Anachal
The Green Pepper, Anachal
Kappitan Group Of Kollam Guest House, Upper Suryanelli
The Crayons, Anachal



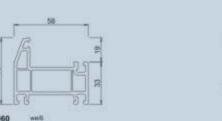




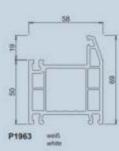


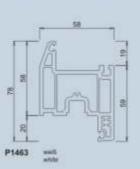


# System Gold Asea



#### P1963 Rahmenprofil 69 mm / Frame profile

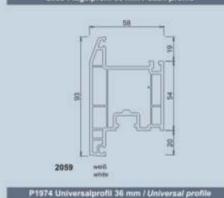




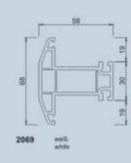
2067 Flügelprofil 68 mm / Sash profile

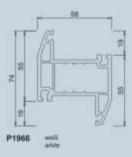


2059 Flügelprofil 93 mm / Sash profile



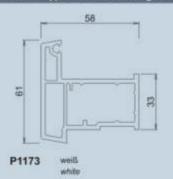
2069 Pfosten, Kämpferprofil 68 mm / Transom , mullion





P1974

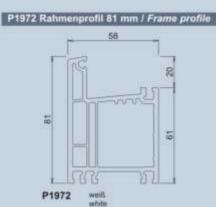
P1173 Stulpprofil 61 mm / Floating mullion



## System Energy

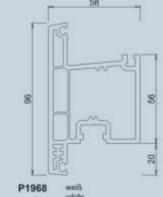
# P1971 Rahmenprofil 66 mm / Frame profile

P1971 weiß white





# P1964 Flügelprofil 96 mm / Sash profile P1968 Flügelprofil 96 mm / Sash profile

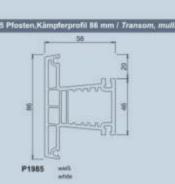


P1173 Stulpprofil 61 mm / Floating mullion



P1958 GlassWin Flügelprofil 51.8 mm / Sash profile



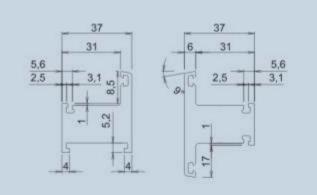


# System ProVent

#### **EPDM Dichtungen EPDM Seals**



# Systemmaße für Bearbeitungsmaschinen System dimensions for processing machines



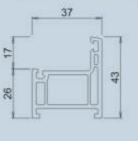
#### P1781 Flügel, Pfosten 56 mm / Sash, Transom



P1781

weiß white

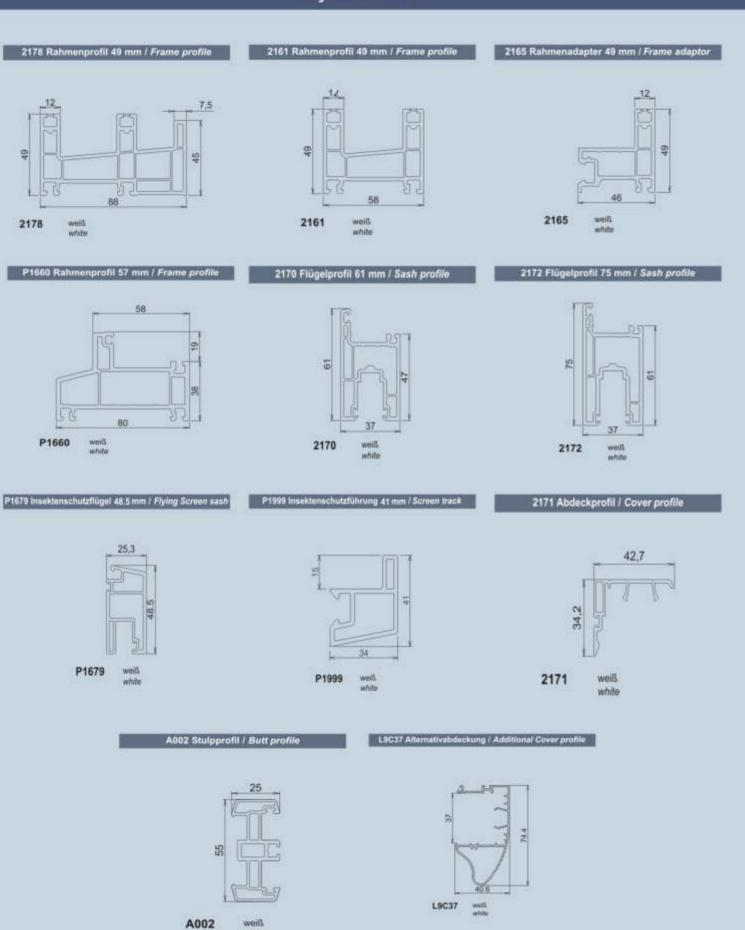
#### P1780 Rahmenprofil 43 mm / Frame profile

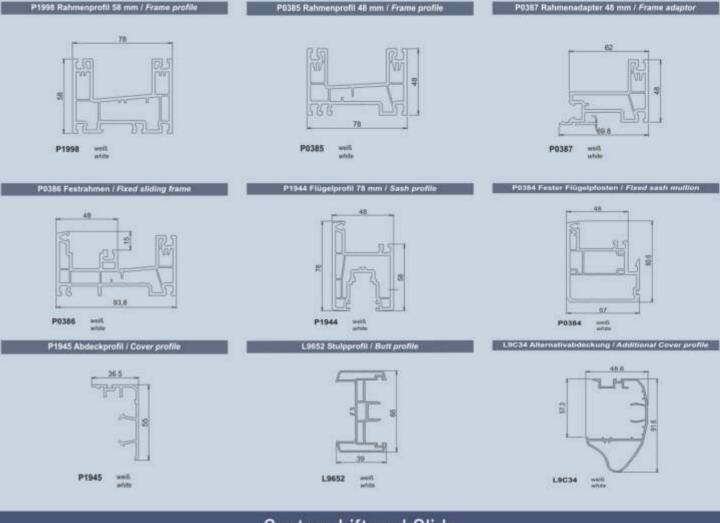


P1780

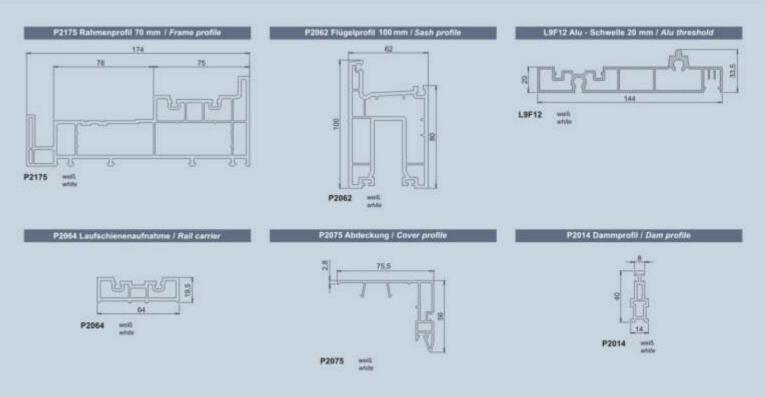
# System Orta

# System SF2





# System Lift and Slide



## Supplementary

### P0442 Kopplungsprofill / Coupling profile P0442 P1674 well white P1996 Variable Kopplung I Flexible coupling pipe P1338 Kopplungsabdeckung / Cover coupling profile P1338 P1996 P1675 well B8124 well white P1973 P1988 P1677 Kopplungsprofil / Coupling profile P1248 Kopplungsprofil / Coupling profile P1248 well white P1677 well Zubehör / Accessories F0002 Glasklotz 2 mm F0003 Glasklotz 3 mm F0005 Glasklotz 5 mm F7448 Klippshalter Glass packer Glass packer Glass packer Clip holder Glasleisten / Glazing beads P1355.2 weil P1983 weil P1680 well P1682.D wm5 P1681 well-P1984 weil. für System / for system Orta für System / for system Orta für System / for system Orta für System / for systems Gold Asea, SF2 für Systeme / for systems Gold Asea, SF2 P1994 well P1965 well für Universal Rahmen P1974 System Gold Asea for Universal frame P1974 system Gold Asea für System / for system SF2

Profile Partner —



Glass Partner



Sealant Partner





