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the best room in the house

- solid thermal glaze sunrooms
 - period orangeries
- alutim® contemporary glass rooms
- period hardwood conservatories
 - rational and ravel sunrooms
 - architectural extensions
 - pyramid rooflights
 - lantern skylights
 - ridgelights
 - kitchen rooms
- commercial builds



Winner... “Best Product” in all categories at “Our House” exhibition

In 1996 the company ruhm was formed. Having a background in structural engineering and an aspiration to design and build living spaces using natural products, the company began. Choosing quality glass and timber were as important then as they are today, and we opted to use the rational range of laminated pine timbers together with top specification glass.

The early designs were simple Danish style conservatories and sunrooms. The designs over the years have evolved, and continue to do so in tandem with client's lifestyles and specific needs. Today there are a host of timber ranges to choose from, heartwood laminated pine (laminated to prevent twisting and for maximum durability, 54 mm frames also provide excellent stability and vacuum impregnated with fungicides), knot free laminated pine, hardwoods such as mahogany and oak and the latest range, alutim. This range was designed for clients who like timber but prefer not to have to maintain it, they, on the other hand are not keen to use PVC due to its unsustainable and toxic effects.

The alutim product is manufactured by ruhm using all natural products, timber, glass and aluminium, designed and constructed to have the timber on the inside and aluminium on the outside. This combination gives the benefit of the warmth of the timbers to the interior and the benefit of the maintenance free aluminium to the exterior.

As ruhm has deep roots in engineering one of the top priorities of the company is to ensure that technology advancement is to the fore. The company strives continuously to enhance its current materials and products, updating glass specifications, deflecting heat gain, adding new systems and developing new methods for increasing thermal insulation. We consider building regulations as minimum guidelines and often specify beyond. With this in mind our clients feel secure knowing they are not only gaining on expertise but also purchasing the best products their money will buy.



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Period Style



Period Style

This Traditional style conservatory was custom built to replicate the original. Hand crafted using Mahogany timber to reproduce the fine lines and curved heads of the original design it sits on low walls and painted white. The doors open out to a southerly orientation so for comfort the roof glass was given a mild tint and the opening roof vents were reinstated. Specialist features used in 'ruhm extra' glazing, such as high performance low-E, argon filled cavity and tinted glass, were not available when this conservatory was initially built. Due to their enhancement properties, such as insulation, glare and heat deflection, are however a much appreciated addition.





alutim[®] Contemporary



alutim[®] Contemporary

alutim (advanced aluminium, using thermally broken features combined with laminated pine timbers) is the latest in design from ruhms engineering team. It is contemporary in its make and appearance, defined by its clean lines. The example shown here, is the link room that connects the two pods of an eco house, its glazed walls on all sides have glass, floor to ceiling. The aluminium exterior is stove baked green, whilst the timber interior is painted white. Due to its aluminium exterior it is maintenance free yet has the wonderful warmth of timber inside. The use of 3 natural products Aluminium, Timber and Glass make it a winning combination for this eco house.





Natural

Natural

Trends come and go, needs change and styles evolve but constant in all of this is the fact that everybody still loves timber. Timber as displayed here in its natural stained form, highlights how easily the new can be interlinked with the old, even though both have unique styles they still remain sympathetic to each other. This architecturally designed glazed extension, restricted by a raised garden, makes clever use of the sunken area. The glazed roof spans out fan-like, making for a very interesting ariel view (as seen from inside), the light from the midday sun is beamed down and cast into the back room meanwhile the shadow catches along the roof beams and reflects on the crisp white walls. The skilful mix of new on old transforms what was once a dark disused area to a new natural light filled room.





Orangery



Orangery

The "ruhm Orangery" developed itself more by popular demand than by deliberate design. Afforded once by only the very rich, it was a means to grow and display plants, shrubs and trees brought back from far away lands. Today ruhm can produce mid to very ornate designs at a price affordable to most. Instead of displaying shrubs today's owners mostly use them as family rooms, admiring their wonderful cornicing, coving and decorative glazed roof. They compliment new houses as much as period ones. The owners of this orangerie, removed the back kitchen wall, remodelled the kitchen and extended the living space creating a large family room off the garden. The rear of the house faces east but due to the raised pitch in the roof, the room now manages to catch the sun for most of the day, giving the desired effect of extending the summer feeling.



Solid Thermal Glaze



Solid Thermal Glaze

Designed by ruhm as an endeavour to create the most efficient sunroom. The criteria was to build a room that would excel in terms of heat retention in the winter months, minimise heat gain in the summer months and address the issue of light (always a cause for concern with solid roof extensions). This was achieved by sourcing specialist materials and when combined with experienced knowledge, the solid thermal glaze sunroom was created. It achieved exactly what it was meant to do, its roof design is innovative and the overall appearance is contemporary.

The main picture is an exterior view and below right, is the interior view of the same room. Centered in the roof are three full length glazed panels which allow the light to flood into the room and beyond into the kitchen. The owners of this house required us to remove part of the back exterior wall, so that the dining space could extend from the kitchen into this new room. Facing out to the garden, is a combination of floor to ceiling glass panels to the centre and low walls to the sides, the French doors fold back on themselves providing a wide opening which allows ease of movement between the house and garden. This is also practical as the room is due south and the family use the garden for entertaining in the summer.



Kitchens



Kitchens

Today ruhm reinvents the modern kitchen incorporating glass in walls, doors and roofs. This has become the preferred option of everyone, where as, in the past people had no choice but to live in dark kitchens, glass standards performed badly relating to heat loss and heat gain. Understanding these issues are paramount ensuring that the exact glass specifications are used correctly.

The owners of this house wished to enlarge the family living area, a kitchen was built in the new extended room, and the seated area remodelled within the open plan area to the rear of the kitchen. The roof has a Solid thermal section facing the rear patio whilst the remainder of the roof glass contains a mild tint and heat insulator. This combination is designed to ensure the kitchen is both comfortable to work in and enjoyable for dining.



Architecturally glazed

This Extended glazed area, seen here on a period house, also works well on a modern house. It's an example where contemporary combines well with period or modern. Even the wettest winter days can't darken its crisp interior, light enters uninterrupted from the large rooflight above and also from the floor to ceiling glazed area which leads onto the garden. The rooflight is stove enamelled to the exterior and the interior timber rafters are painted white to match the ceiling and walls. Here with the use of properly specified glass, family life continues oblivious to weather changes.





Slated / Tiled

Slated / Tiled

The tiled roof extension has always been a popular choice being traditional in its existence it will always remain in demand. The most important issue with a tiled roof extension is to minimise light loss. It is inevitable that the pre extended area of the house, onto which the new sunroom is built, will darken. It is not enough to simply place one or two rooflights in the sunroom, and hope for light to make its way through into the main house. Natural light emission to this area is achieved by commissioning larger rooflights, spanning greater areas and placement in strategic positions. Seen here is a large sunroom, there are two roof lights, both on opposite sides, the nearside one shines light onto the dining table, the opposite one shines light onto the seated area. Breaking from traditional convention, and allowing light to continue to beam into the main house, ruhm glazed the entire rear section, this dapples light into the new sunroom, maximises natural light into the main house and is architecturally stunning.





Triple Glazing

Triple Glazing

Building standards improve continually especially in relation to conservation of heat. Triple glazing has been available in several European countries for many years, its benefits are enormous especially in relation to heat values which reflect on the cost of heating. Now its benefits can be enjoyed with the new ruhm triple glazing system "ruhm triplex". Not everybody can have a southerly facing back garden as is the case with the example shown here. The owner of this wonderful garden room loves to tend to her plants and enjoys nothing more than sitting and admiring the fruits of her toil when the chores are finished. Due to its northerly orientation the rear of the house gets little direct sunlight, however with the use of ruhm's triple glazing system, she can spend hours with family and friends, in a warm room, totally surrounded by glass, admiring the view.





Curtain Walling



Curtain Walling

Designed and manufactured by ruh, curtain walling is suitable for commercial and domestic purposes. ruh glazed curtain walling is manufactured using advanced aluminium, with thermally broken features, combined with laminated timber structures and high performance low e glass. It is a system engineered using top specifications, designed to be flexible, requiring no maintenance, cost effective and as it's manufactured locally, delivery dates are fast. The examples shown are 2 storey combined with single storey, the green exterior example is architect designed, the single storey section whilst used by the family as a room is also used to grow vines, the 2 storey section is magnificent in it's height and a room much prized by the family. The glazed curtain walling shown in white is located in a costal area and thus benefits from the maintenance free aluminium exterior, yet living with wonderful warmth of natural timber inside.



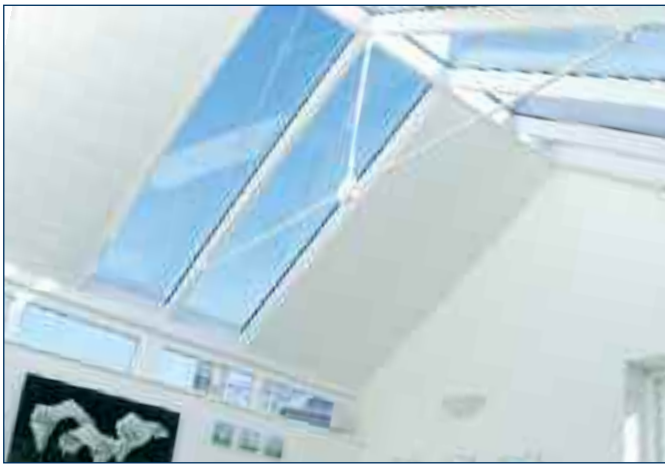
Roof-lights



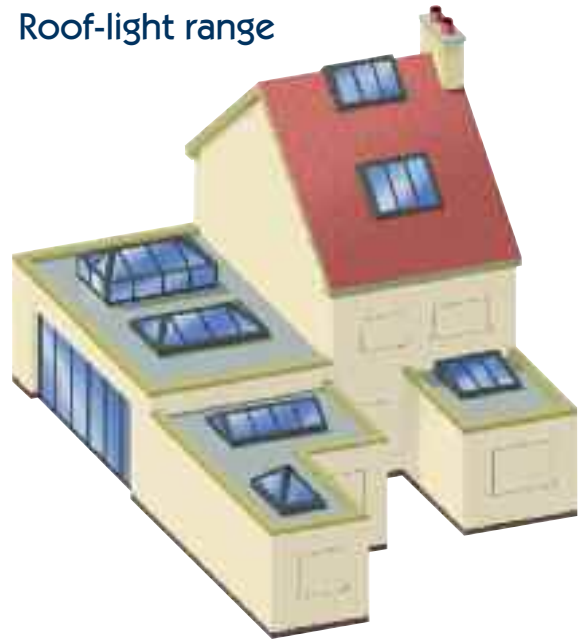
Roof-lights

It is no coincidence that the use of rooflights has gained in popularity. This is credited mostly to technology advancements, especially that of glass. No longer does one have to worry about excessive heat loss, heat gain or glare, thus giving scope for the use of glass in larger areas on the roof. A room can be completely transformed by adding a simple rooflight, a flat roof can be visually enhanced by more decorative lantern styles, and even whole roof sections can be replaced by glass. We at ruhm manufacture all rooflights to specification, so each one is custom made using colour powder coated aluminium exterior for no maintenance and timber interior, which gives a more luxurious feel inside. Even though each one is custom built delivery is fast at 2 weeks. Some examples of ruhm rooflights shown here.

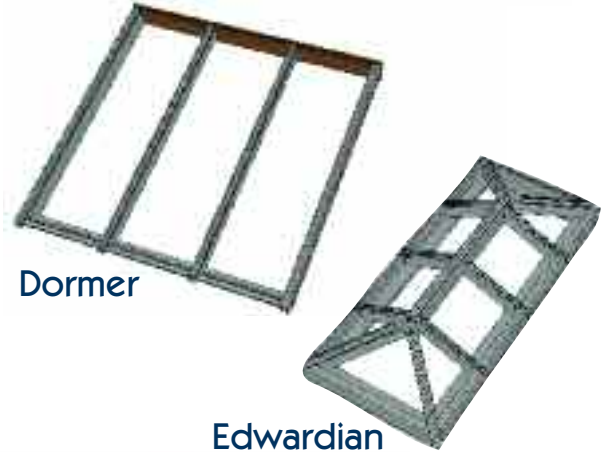




Roof-light range



Ridge



Dormer

Edwardian



Pyramid



Apex



Lantern



Commercial



Commercial

ruhм undertakes commercial works in conjunction with architects and construction companies. To date ruhм specialises in building with timber and glass, being cognisant of glass technology, it is usual that most projects relate to glazed sections and rooflights. Client satisfaction is important to ruhм, striving constantly to upgrade products ahead of building requirements. High specification glass is standard and we now offer triple glazing as an additional option. ruhм's alutim® product (advanced aluminium, using thermally broken features combined with laminated timbers) is the latest from our engineering department. Fabricated in our factory, it takes only 3 weeks from measuring to installation, the exterior aluminium can be powder coated in any RAL colour whilst the timber interior can remain in its natural stain or factory painted.

Architects who have worked with ruhm

Anthony Reddy Associates, Axis Architecture, Brian O'Donoghue Architects, C. Butterly B. Architects, Deaton Lysaght Architects, de Blacam & Meagher, Delahunty & Harley M.R.I.A.I, Duncan Stewart & Sinnott Studio, Eamonn O'Connor Architects, Fanning Levins Architects, Fergal McGirl Architects, Flemming Architects, George Morris, Gilligan Architects, Hassett Leyden & Associates, Irene Brennan, Justin O'Callaghan Architect, Kieran Lally & Associates, Legge & Associates, Martin Mulligan & Associates, Martin Murray Architects, McKenna Brock Architects, Micheal O'Drisceoil M.R.I.A.I, O'Mahoney Pike Architects, Patrick Flynn Architects, Paul Arnold Architects, Scott Tallon Walker, Studio M Architects, WDR & RT Taggart

Construction companies who have worked with ruhm

Adams & Sons Builders, Castleknock Construction, Cranfield Contractors Ltd, Croftbrook Developments, CRS Construction, DCB Builders, Gerry Jones Construction, Jackie Green Construction, John Paul Construction, LM Developments, Kinnane & Donaghey Construction, Martin Doyle Construction, McNamara Building Company, Midland Construction & Engineering Ltd, Medcon, Wallace Construction, Park Developments, Premier Builders, Preston Properties, PJ Hegarty & Sons, Rathowen Construction, Sorohan Builders, Sean Connole Builders, Stone Developments, Zoe Developments.

References

Testimonials



"We were so happy with our previous ruhm Conservatory, that when we decided to move to the country, we called ruhm to commission another conservatory. Once again they came up trumps with a wonderful design that suits exactly the style of this house."

John & Stella Varian
Wicklow



"Having decided that we wanted to have a garden room to sit in and enjoy the sun, I immediately began an intensive search to find the right company who could design and build exactly what we wanted. After an enduring trawl, I finally found "ruhm",

who's alutim system was exactly what we were looking for. We could not be happier, as it turned out even better than we both had dreamed."

Yvette & Donal O'Laoire
Dublin



"It's every engineer's dream to build his own house, and so when I decided to live the dream it had to be an Eco House. Building and Eco House is a rewarding but challenging experience. It's a case of working alongside the experts,

each section requiring it's own area of expertise. So when the time came to built the conservatory, there was no doubt that I would consider another company other than "ruhm". Their wealth of knowledge in relation to glass properties, heat and light management, not to mention sustainable materials was a definite yes for me."

Peter Bonsall
Dublin

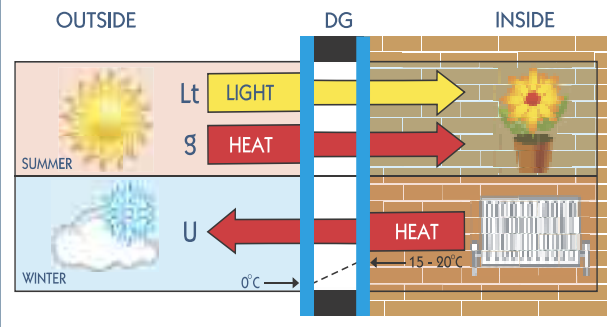


"The lack of light in my kitchen was annoying, especially as I spent so much time there. I decided that I'd call in the experts to see what could be done. One phone call to ruhm, one visit by their designer and just few weeks later, light floods the kitchen.

The transformation is amazing, I am absolutely thrilled, Top marks to ruhm , it couldn't be more perfect."

Dolores Walsh
Dublin

Double Glazing simply explained



3 properties to be specified for all year round comfort

Glare	Overheating	Chill
(Lt)	(g)	(U)
% Light	% Heat	Heat Loss

Description	Specification	Transmission	Transmission	Coefficient
Single glazing	4mm	90	85	5.8
Double glazing (DG) standard	24mm (4-14-4)	79	78	2.8
Polycarbonate clear	24mm-5 layer	65	70	2.2
Polycarbonate bronze	24mm-5 layer	35	55	2.2
DG - K glass (low e)	24mm (4-16-4)	74	72	1.6
DG - Optitherm	24mm (4-16-4)	79	66	1.4
DG - Opti - argon	24mm (4-16-4)	79	66	1.1
DG - Opti - green tint	24mm (4-16-4)	65	42	1.4
DG - Opti - grey tint	24mm (4-16-4)	38	38	1.4
DG - Opti - green tint - argon	24mm (4-16-4)	65	42	1.1
DG - Opti - Solar Clear - argon	24mm (4-14-6)	59	46	1.1

Technical Information

Ventilation



Thermally broken aluminium opening roof ventilators are available in brown or white as standard or any RAL colour to special order.

Also available to special order is a two tone finish where different colours are used on both sides. This also applies to the motor casing where specified.

Manual operation

The vents are operated by turning a metal screw jack with the assistance of a pole designed for this purpose. A Chrome or brass finish pole is available.

Motorised operation

Alternatively the ventilator can be fitted with a chain operated actuator as illustrated. This is operated by a wall switch situated in a convenient location. One switch can operate up to 6 ventilators on the same circuit.



Automatic operation

This method is controlled by temperature and rain sensors, simply pre-set to the required minimum and maximum inside temperature and it automatically opens or

closes. The rain sensor which is fitted discreetly on the roof surface will override temperature sensors and close the ventilator in the event of rain.

Colour Chart

Below are some popular colours chosen by clients. Rooflight standard colours are white RAL9010 and grey brown RAL8019 to the exterior.

Representation of translucent wood colours available

T129 Pine	T990 Dark Pine	T220 Golden Oak
RAL 9010 White	RAL 9001 Cream White	RAL 1001 Beige
RAL 7035 Light Grey	RAL 7032 Pebble Gr	RAL 7006 Beige Grey
RAL 7001 Silver Grey	RAL 7042 Mid Grey	RAL 7015 Slate Grey
RAL 6003 Olive Green	RAL 6007 Dark Green	RAL 8017 Dark Brown
RAL 1018 Yellow	RAL 2001 Red Orange	RAL 3011 Rowanberry
RAL 5013 Navy Blue	RAL 5008 BlueBlack	RAL 9005 Black

the alutim[®] range



Slot vents

Section of a rational slot vent fitted in the frame of an opening window or door. This can be operated inside by pushing on the flush cover to open the vent to admit external air. To the exterior it is fitted with an insect screen.



Adjustable Hinge

A parliament hinge, as fitted on a rational door, allowing 3 dimensional adjustment of the door within its frame with the use of special torx keys. A rubbing door is no longer a major snagging item but an adjustment carried out in a matter of moments.



Laminated redwood

All timber members fabricated from structural grade laminated redwood which removes the risk of warping or deflection which can sometimes be a problem with solid timbers, even hardwood timbers.

Unique alutim[®] glazing system

Not satisfied with existing systems, ruhm designed a unique glazing system, incorporating discreet functionality, hidden fixings, patented leak proof glass joints, easy assembly and adaptable to any design of wall or roof. A truly unique blend of timber, glass & aluminium.

High performance Glazing

ruhm products use double glazed units 24mm thick. The glass on all facets is safety toughened and comes with a high performance coating for maximum heat retention in Winter.

Specifications of materials

Timber Windows and Roofs

All timber used in the roof is machined from structural grade glulam beams. Solid wood material can be susceptible to slight warping and deflection due to large changes in temperature and humidity, especially in the roof area. Glulam timber avoids this risk. A variety of stain or painted finishes are applied to the timber by spraying before they are delivered to site. All joinery is fabricated from laminated material for strength, trueness of form and longevity of function.

Glazing

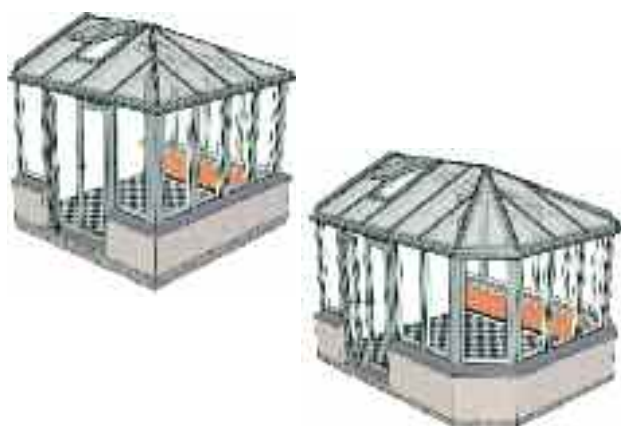
All double glazing is safety toughened on both sides for your peace of mind. It is very difficult to break but in the unusual event of this happening, it breaks into small pea sized particles which are not a danger. The ruhm minimum standard for heat insulation of glass is a U value of 1.1

This is achieved with the use of a special soft coating applied to the glass surface in the cavity and further enhanced with the addition of inert Argon gas which helps to slow down the passage of heat from the interior to the exterior. In practical terms this means that the internal pane can be up to 25deg C warmer than the exterior pane in Winter. This significantly reduces condensation on the inner pane.

Aluminium

This is the ideal material for use to the exterior. It comes as standard for rooflights in two colours, white RAL9010 or grey brown RAL8019. The aluminium is powder coated in the chosen colour and then placed in a very hot oven where it is baked at a high temperature. This process guarantees a lifelong colour fastness with no discolouration or maintenance required. For an extra cost you can choose from the complete RAL colour range.

New DIY "Minibox" conservatory range



Designed for people who are looking for an inexpensive way to add a simple conservatory to their house. The DIY Minibox is constructed in modular sections, so comes in standard sizes and shapes.

Whilst there is a limited range of choice, it does on the other hand offer great value. 10ft x 10ft (3m x 3m) costs as little as *€7,080 plus vat, (price is for supply only and does not include the base).

*Price valid at time of print (2008), and subject to change.



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