







Steel Fencing Range

Innovative British Fencing Solutions

Steelfence has over 30 years of experience in the fencing industry and is recognised as a major manufacturer and market leader in this highly competitive market-place. With our highly skilled and experienced workforce and modern

of products for use in the security, commercial, industrial, and private sectors.

Our policy of continued investment in state-of-the-art production equipment and information technology enables us to provide our customers with an efficient service and quality products at competitive prices.

Our ability to provide a total security solution is supported by our wide product range.

As a leading manufacturer of steel fencing, we don't offer an installation service, but we can recommend an installer in your area who will have the expertise to provide you with a long-life, durable fencing solution.



Ask our sales team regarding EXPORTING Our Products

Operating the latest in technology for automated quotations, our sales team can rapidly offer our customers quotations in response to any enquiry. Our online enquiry service provides fast submission of requests via our secure server.

Standard fencing and gates are usually available from stock. Call us for our current delivery times. Our national fleet of delivery lorries ensures that your order will arrive promptly, ready for installation on your site. Products supplied may differ slightly from the ones shown in this brochure.

Guardsman Fencing

The Guardsman Range is an unusual and unique hybrid fencing solution. Specifically designed to offer a high degree of protection against intrusion and to protect against criminal damage, it is unusual in still offering an attractive architectural appearance.

Innovative ideas and creative designs in the modern architectural environment have produced a requirement for new ideas in boundary and perimeter protection, which the Guardsman fencing product fulfils with renewed vigour.

Guardsman security and architectural fencing is produced in different styles. These include using either RHS or RSC for the horizontal rails and square or round tubular bar infill.

The vertical panel infill can be supplied as tubular or box section, producing two very different appearances that can meet most clients' objectives. Selecting either option ensures that the specified choice of material forming the vertical infill always passes securely through the horizontal mounting rails of each fencing panel. This choice of fixing and its combined design parameters offer a high resistance to attack from offenders and anti-social behaviour, which is typically found on some perimeter fence lines.

Guardsman is a configurable and flexible steel security fencing product. Manufactured customer configurable options include: base plates for bolting down onto a wall or flat structure, fixings to permit installation between brick piers, and conventional embedded post mounting.

Standard heights include 1.2m, 1.8m, 2.0m, and 2.4m. Post centres can be specified at either 2.5m or 2.75m.

Guardsman fence panels are manufactured for installation over level ground. If the proposed site is not level, please contact our sales office for a site survey and advise us prior to order. Fence panels can be raked to suit individual site conditions subject to site survey, and manufactured accordingly.

Guardsman steel fencing is available with a complement of manual and automatic gates matching the chosen specification. Choose from our popular vehicle or pedestrian range, with a choice of locking options.







Palisade Security Fencing

The Palisade family of security fencing is designed to provide a formidable barrier. Its manufacture, combining substantial hot-formed and cold-rolled steel sections, assures both strength and rigidity and offers a proven long lifespan.







Paramount Palisade is widely accepted as the industry leader. It provides protection, as well as acting as a significant deterrent, against most common forms of attempted intrusion and criminal damage. The Palisade range offers excellent protection for differing levels of perceived risk, from low risk fencing for demarcation purposes through to our high-security Portcullis variant, which is designed and manufactured to meet the demands of critical national infrastructure, cash-handling facilities and sites of strategic importance.

Paramount Palisade security fencing is produced with two alternative pale profiles, our 'W' profile and our 'D' profile. Both are available with a wide range of paling heads. These pale profiles can be supplied in different pale thicknesses to suit different environmental and security requirements. We recommend using our thicker pale profiles for locations where there is an increased likelihood of the fence coming under attack from an offender.

Paramount Palisade security fencing can either be manufactured for self assembly or supplied in the form of a ready made welded panel, which enables faster installation across level ground. We also offer all our customers the additional option to specify from either two or three horizontal rails within our Palisade range.

ParaStrong: Paramount partners, dealers and fencing erectors benefit from our specialised state-of-the-art production facility. Our unique, flexible approach to manufacturing facilitates multiple design variants, allowing the product to be specified to either a standard or enhanced security design specification.

Special panels or posts can be manufactured to meet site specifications. Non-standard posts for use when cranking over wall tops and posts with base plates for surface fixing are also available to specification.

Safety must be the prime consideration when specifying a security fence, and the use of pointed top pales at heights below 1.8m within any Palisade fencing system is not recommended. Alternative pale tops or a different style of fence should be chosen for this height range.

Palisade Configuration

Our standard product specifications for Palisade security fencing include panel widths of 2.75m wide. Customised widths can be manufactured to order.



D Pale Rounded Notched



D Pale Triple Point



W Pale Rounded Notched



W Pale Single Point



W Pale Triple Point

We manufacture a range of pale tops to deter climbing or jumping of the Palisade fence range. Clients can specify from a wide range of pale tops, including our popular rounded top, rounded and notched top, single pointed top, triple point top or a straight top for use where climbing is unlikely.

Our Palisade pales can be secured to the horizontal rails using either snap off bolts, rivets or welding.

For safety we do not recommend the use of palisade security fencing at heights below 1.8m unless mounted onto a wall.

Standard heights include 1.2m, 1.5m, 1.8m, 2.0m, 2.1m, 2.4m, 3.0m and 3.6m and 4.0m can be supplied by special order.

The vertical pales can be supplied in different thickness, and from either a "W" profile or a "D" Profile, dependent upon the clients specification.

We offer pale thicknesses of 2.0mm, 2.5mm and the more secure 3.0mm in our "W" pale range. The Paramount "D" Pale is available in thicknesses of 2.5mm, 3.0mm, 3.5mm and 4.0mm.

Vertical Bar Fencing

Paramount vertical bar fencing has been developed to offer a multi-choice specification designed for a wide range of applications. Vertical bar fencing is manufactured to fulfil the boundary protection and demarcation requirements of both commercial and recreational applications. Typical applications include retail parks, recreational grounds and sports fields, light industrial estates and office car parks.

The Paramount range of vertical bar products offer a traditional appearance combined with strength, rigidity and durability in one product configuration.

Construction of this perimeter fencing system is in the form of welded panels, with two horizontal rails manufactured from flat or RHS sections, welded at intersection points. Square or round infill bars are available in a number of sizes according to the height of the fencing specified.

Vertical infill bars are available with a choice of heads, ranging from a blunt top to a sharp point depending on the security requirement at any individual site. Further information on vertical bar heads is available on the relevant product data sheet from our website.

Fence panels are supplied ready assembled and are secured to the mounting post using tamper-resistant fixings.

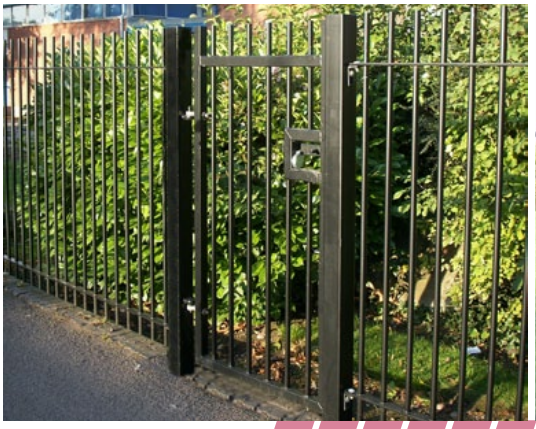
In order for the fencing to follow on-site ground conditions, sometimes we may need to provide non-standard items; stepped, raked, radiuses and make-up panels can also be accommodated.

Our Vertical Bar family of fencing offers non-standard posts for stepping or raking panels, or for cranking over walls, which can be manufactured to order. We also offer a matching range of manual swing or sliding gates.

The product is finished galvanised to BSEN ISO 1461 with optional powder coating in any RAL colour or any British Standard colour.

For safety reasons we do not recommend the use of vertical bar panels with pointed tops at heights below 1.8m.







Bow Top Fencing

Paramount Bow top fencing has been developed as an alternative to our Vertical bar fencing range. Bow top fencing is an ideal solution where minimum security is required and where the visual aspect takes priority.







Bow top is popular in the larger heights for use around the perimeters of public car parks and gardens, where appearance is of high priority. The lower heights are popular in segregating children's play areas or to maintain an area free of animals.

Bow top fencing is available in two configurations: standard bow top and play specification. Play specification is recommended for use around play parks where younger children play, as it features a narrow top bow. Our catalogue images show the play specification version.

The Paramount Bow top range of fencing systems has been designed to offer strength, rigidity and durability in one product configuration, defining boundaries and deterring pedestrians.

Standard heights include 1.0m, 1.2m, 1.4m, 1.5m, 1.8m, 2.0m, 2.1m, and 2.4m. Post centres are 2.80m.

The Bow top fence panel is secured to the support post using a tamper-resistant pin. This reduces interference and vandalism on the fence line and reduces the risk of the unauthorised removal of a fence panel by making this extremely difficult to achieve.

The secure fixing also makes the product a favoured and cost-effective solution for enhancing the environment in community projects and housing schemes.

The Bow top perimeter fencing family can be mounted to wall tops using bolt-down base plates, or alternatively the fencing can be built directly into the wall at the time of construction.

Paramount Bow top fencing is specified by major leading architects both in the UK and Europe. This established, well-recognised product has an excellent reputation for offering our clients an exceptional build quality.

Architectural Fencing

Paramount manufacture a range of beautiful traditional and contemporary designs of decorative railing. The Paramount Regency Range of steel architectural fencing offers both protection and enhancement of high-class residences and buildings.

Typical applications include: country mansions, grand townhouses, architect designed buildings and heritage sites.

The Regency design suits installations in cities, towns and rural locations and is a distinctive personalised fencing solution. Custom designed fencing solutions offer security with style, whilst complementing their surrounding environment. We offer a choice of steel sections and a wide range of finial tops. The inclusion of a decorative steel basket, which can be specified as an optional item and then manufactured into the vertical steel rails, further enhances the distinctive appearance of the product.

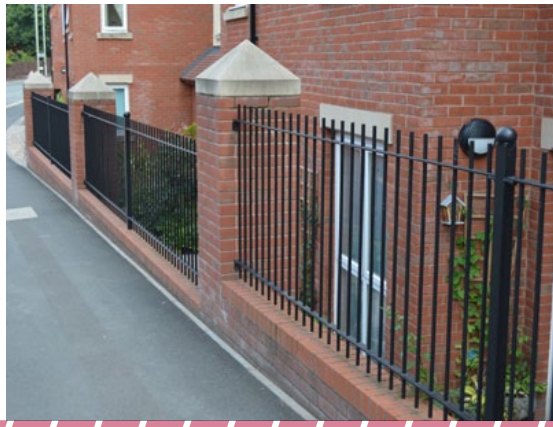
This is a custom bespoke fencing solution which achieves maximum impact for visual appearance, while also significantly improving the security characteristics of the residence.

Paramount Steel Fence construct our architectural designed fencing from a specific range of high quality materials. Careful selection and specification of the choice of material is important to obtain the overall feel and appearance of the steel fence. Consideration should be given to using round or square tubular hollow section steel, or solid steel bar.

The Regency Range is bespoke to each customer's or end user's specific requirements; it offers a number of configurations, including wall mounted, free-standing (using support posts), or mounted between brick piers, all of which offer a sophisticated appearance to complement any boundary or perimeter.







Paramesh 3M

Paramesh 3M Panel construction features galvanised horizontal and vertical rods 5mm in diameter, resistance welded at the intersection points to form a 200mm x 50mm mesh pattern.







Paramesh 3M mesh fencing is easy to transport, simple to erect and can be easily stored, even in large volumes, which makes it ideal as a stock product for fencing erectors. The 3M range is available in heights of 1.23m, 1.73m, 2.03m or 2.43m; additional height can also be achieved using the multi-lift principle. Paramesh 3M mesh fencing panels are manufactured with a 30mm barbed top on one edge of the panel: this type of top forms a simple and effective deterrent to climbing and assists in preventing objects from being easily passed over the fence line.

The finish of Paramesh 3M includes a galvanised substrate and polyester powder coating in a range of standard colours.

Additional fence panel rigidity is included by the provision of a 'V' Beam which is pressed horizontally into the mesh panel – increasing its strength with only a minimum increase on wind loading.

The system is complete with 60x60 SHS posts, positioned at 3.025m nominal post centres. Posts are supplied with factory fitted threaded inserts, plastic cap and robust steel panel fixing brackets.

Paramesh 3M is supplied in 3m long panels, which not only reduces erection time, saving on posts and concrete, but also offers a more visual appealing solution, as fewer support posts are required.

The design of the mesh security fence offers a modern and attractive appearance, which is ideally suited for low risk premises and sites that require a cost-effective steel fencing solution.

Paramesh 3M is an ideal contractor fence for use on most competitive tenders, as it provides the fencing erector with a premium quality product at a price point which will assist in winning both small-scale and large-volume fencing tenders.
Typical applications include: schools, hospitals and retail parks. Many local authorities specify Paramesh 3M for use in parks and around public amenities.





Paramesh 868

Paramesh 868 is a welded mesh fencing system with a distinctive appearance which allows excellent through vision, making it suitable for many applications.

The Paramesh 868 premier mesh fencing panel features twin galvanised horizontal rods 8mm in diameter, positioned either side of a 6mm diameter vertical wire.

The panels are welded at the intersection points and offer a superior degree of resistance to impact damage or vandalism to the fence line.

One edge of the panel is finished flush, while the verticals project 30mm from the other edge to form a barbed top. This type of top forms a simple and effective deterrent to climbing and assists in preventing objects from being easily passed over the fence line.

Alternatively, the barbed edge may be positioned at ground level in situations where a flush top is required.

Posts for Paramesh 868 are positioned at 2.525m nominal centres and feature factory-fitted inserts. Mesh fencing panels are attached by means of robust steel fixing brackets and M8 diameter tamper-proof bolts. This combination of a rigid reinforced fixing and the tamper-resistant pin provides a reliably secure fixing between the fence panel and the support post.

Standard stock heights include: 1.23m, 1.83m, 2.03m and 2.43m. For special applications we can also provide 3.03m high to order.

Paramesh has been designed for ease of installation, and provides the contractor and user with a cost-effective solution for all boundary requirements.

The range is available in three formats, offering differing levels of protection for boundary, demarcation and anti-intruder functions. The latter systems have vertical or cranked extensions fixed to the posts to support 3 rows of barbed wire or barbed tape.

Multi-lift Panels offer an ideal system for uses such as ball-stop fencing, where increased height is necessary to contain the activity taking place. A cost-effective method is achieved by placing one panel above the other, fixed to specially designed RHS posts.

The finish of Paramesh 868 includes a galvanised substrate and polyester powder coating in a range of standard colours.

Typical applications include: schools, colleges and universities; many local authorities specify 868 for use in parks and around public amenities.

Paramesh Deco

Paramesh Deco is a popular style of welded mesh fencing with an innovative and unique appearance. It is the perfect choice where the requirement is for security, but without an intimidating or aggressive appearance. Its sophisticated good looks are particularly suitable for use in prestige locations where pleasing visual appearance is essential.

The Deco specification utilises 6mm diameter galvanised wire with horizontals spaced at 200mm and 4mm diameter galvanised wire with verticals at centres ranging between 20mm and 43mm to form the unique Deco panel pattern.

Posts for Paramesh Deco are positioned at 3.025m nominal centres and feature factory-fitted inserts. Mesh fencing panels are attached by means of robust steel fixing brackets and M8 diameter tamper-proof bolts. The unique Paramesh fixing bracket design allows the panels to be stepped to suit uneven ground conditions.

Standard stock heights include: 1.2m, 1.8m, 2.0m and 2.4m. A combination of panel heights may be utilised to achieve heights in excess of 2.4m by using the multi-lift principle.

'V' Section beams are pressed horizontally into each mesh fencing panel to give even greater rigidity and strength.

The finish of Paramesh Deco includes a galvanised substrate and polyester powder coating in a range of standard colours.

The design of the mesh security fence offers a modern and attractive appearance which is ideally suited for medium-risk premises and sites which require a secure and effective steel fencing solution.
Typical applications include: business parks, universities, offices, sports grounds, utility companies; many garages and car showrooms specify Paramesh Deco to protect their vehicles.







Paramesh 358

Paramesh 358 is the ultimate welded mesh system, providing a high degree of physical perimeter protection with a discreet visual impact on the immediate environment. The panels are manufactured in a mesh pattern of 76.2mm x 12.7mm using 4mm diameter vertical and horizontal wires which are resistance welded at each intersection.







This method of construction produces a panel that is formidable in both strength and appearance.

A range of square hollow section posts is available to suit the specified fencing, which is supplied in heights from 1.20m to 5.20m. The panels are attached to the post by means of a 75mm panel overlap and clamp bar which is fixed to the post by M8 bolts and Permacone nuts.

The system's ability to provide a single panel up to 5.20m in height means that it is widely specified by prison and military establishments and authorities wishing to protect assets which have a significant strategic importance. It is frequently specified at heights up to 3.60m for use in schools, parks, leisure and recreational areas and retail and commercial developments.

Paramesh 358 security panels are extremely difficult to penetrate, with the small mesh aperture being effectively finger-proof and highly resistant to attack using conventional hand tools. It is also very difficult and time-consuming to attempt to pass items from the protected areas through the fencing, an attribute which has been identified and utilised by a number of major retail outlets.

Resistance to burrowing and climbing: for high security areas, a concrete sill can be specified to deter efforts to burrow beneath the fence line; or alternatively the panel can be supplied extended by 300mm at the base for burying below the ground.

Brackets to support barbed wire or tape can be supplied to provide additional protection at high level, in order to deter even the most ambitious climber.

Paramesh Super 6

Paramesh Super 6 Mesh Panels are manufactured to the same specification as our standard Paramesh 358 Mesh Panels, but with the improvement of 6mm nominal vertical wires. This offers additional strength and impact resistance by substantially increasing the rigidity of the panel, offering more protection at an economical price.







Mesh Pattern - Standard mesh panels are manufactured with a mesh pattern of 76.2mm x 12.7mm x 6mm diameter nominal vertical wires and 4mm diameter nominal horizontal wires.

Welding Specification - Resistance welded at each intersection with a 550 N/mm² minimum; weld shear resistance is 75% of the tensile strength.

Reliable Protection - With a sturdy construction and resistance welded at each intersection, Paramesh Super 6 has a mesh pattern which is more effective than traditional fencing as it prevents objects from being passed through the fence. It is relatively climb-resistant and is difficult to penetrate with the use of conventional hand cutting tools.

Extremely strong and visually discreet - From a distance, the mesh pattern of Paramesh Super 6 becomes fairly transparent, providing an excellent aesthetically pleasing fence with the strength and integrity required.

Robust – Virtually maintenance-free with a long product life due to the high quality raw materials used in the manufacturing process.

Complete Solution - Paramesh Super 6 offers peace of mind by providing you with an integral and cost-effective solution.

A range of square hollow section posts is available to suit the specified fencing, which is supplied in standard heights of 2.4m and 3.0m. Post centres are 2.44m.

Applications - The Paramesh Super 6 system is ideal for critical infrastructures, international borders, pipelines, prisons, airports, train stations, utility and chemical plants, hospitals, high value farm machinery or plant, industrial and commercial areas.

Super 6 can also be very effective for lower security applications, such as schools and colleges, or retail and business parks, or where frequent damage is occurring to the current fencing system.

The finish of Paramesh Super 6 includes a galvanised substrate and polyester powder coating in a range of standard colours.





Pararail Fencing

Pararail is a welded fencing system designed to meet the requirements of low risk pedestrian demarcation and to fulfil a wide range of applications, including: sports fields, flower beds, parks or gardens, and even tree surrounds. The product has also been used successfully around statues and objects of specific interest to the general public, as a permanent or temporary solution.

Pararail is a versatile product limited only by the imagination of its specifier, architect or consultant. The product's versatility makes it ideal for keeping pedestrians from getting too close to any exhibits that require a low-level, unobtrusive degree of protection. It can protect against all kinds of footfall from spectators and visitors.

Pararail has been designed for ease of installation; it's best suited to flat and level applications. Pararail offers independent panel mounting, with each section of fence mounted to its own independent pair of posts. This feature reduces ongoing costs and maintenance burdens. In the unlikely event that a panel needs to be changed due to accidental or deliberate damage, the process is simple and speedy.

Specifications vary for the Pararail family of fencing. Typically, the system would be supplied as standard in 1.2m high panels and is normally clad with double wire panels from our Paramesh 656 range, using twin 6mm horizontal wires and 5mm vertical wires. Alternatively, the Paramesh 868 range could be used, using 8mm twin horizontal wires with 6mm vertical wires. Post centres on both product options are 2.54m. Please note that this product is not suitable for crowd control purposes.

The product Is supplied pre galvanised and then polyester powder coated.

Parasports Ball Park Fencing

Parasports ball court fencing systems offer a safe and robust perimeter for most ball sports and can be seen in parks and schools all over the UK. This range offers high performance and attractive fencing with excellent through visibility and a high level of boundary security. Our multi-purpose ball park solution is also very much at home in professional sports grounds.







The purpose-designed panels have been manufactured for rigidity and resistance to impact. Reflection within the ball park panel also offers added levels of ball rebound. Available in standard RAL colours, and at a competitive price that has led Parasports ball park solutions to be specified for use on a variety of schools, colleges and recreational grounds.

Parasports fences are based on the trusted Paramesh 868 design, consisting of a 200mm x 50mm welded mesh, which features twin 8mm horizontal wires positioned either side of a 6mm diameter vertical wire. The bottom 1.2m of the fence is reinforced with additional wires to form a closer mesh pattern, creating a ball rebound area.

Standard heights include 2.0m and 3.0m. Additional height is offered by means of the multi-lift principle, which can achieve heights of 4.0m and 5.0m. Post centres are 2.525m.

A complementary range of single or double-leaf gates is available to match the high specification of Parasports ball court systems. We can also supply locking solutions to suit most applications, including electric locking and card access control for pedestrian entry to members' areas.

Access gates are fitted with long-life hinges as standard on all Parasports Ball Park systems. With over 30 years' experience in manufacturing fencing systems, we can ensure that the design and reliability of our ball park gates are suitable for areas with heavy footfall.

Fence panels are retained to the posts using a full-length fixing bar; this provides additional strength and impact resistance. The fixing bar also makes it difficult to remove the fence panels from the post, offering increased security and lowering the risk of vandalism to the ball court or sports area.

Optional fixing accessories can be specified to mount basketball hoops and other third party sports equipment. Please contact our sales team if you have a special requirement.

Typical applications include hockey pitches, skate parks, rugby pitches, tennis courts and football pitches.

Heavy Duty Industrial Gates

Paramount Series 4 Sliding Gates are manufactured in cantilever format, thereby avoiding possible problems with the adjacent road surface. Constructed using heavy-duty steel sections and hot dip galvanised, our industrial automated gates are specified for use in high traffic environments, and are a popular choice for protecting and maintaining boundary security.







Paramount automated gates have continuously developed since their introduction in 1990. Our years of professional expertise guarantees the client receives a proven product, which will operate reliably for many years to come.

Our expertise in commissioning security systems has earned us a national reputation with end users for providing a comprehensive ISO9000 accredited solution, capable of meeting the highest of customer expectations.

Specifying Paramount automated gates ensures the client or end user will benefit from years of trouble free service, secure in the knowledge that every product in our fully automatic range meets BS EN12453 industry standards. Our gates are ideal for bridging uneven road surfaces, railway lines or even harbour entrances, on road widths between 2.0 and 20.0 metres, and with closures between 1.0 and 3.0m high.

The Paramount Series 4 range incorporates many advanced features which raises it above competing products. It offers an aesthetically pleasing and totally reliable security solution, regardless of the type of premises requiring protection.

Each gate leaf slides at an impressive 250mm per second, but during both the opening and closing cycles the drive system continuously monitors the gate leaf. So the gate reverses or stops should it come into contact with an object, person or vehicle and is in full compliance with the latest European Safety requirements.

A Paramount-built highly reliable, chain driven propulsion system operates the gate with smooth, quiet precision and exceptional reliability. The Series 4 is a popular choice for many architects, police forces and local authorities. All of our automated ranges have been type approved and hold full factory CE accreditation.

Both our Type 4 and Safeslide ranges are fully welded in one piece and contain no bolted together sections. This minimizes the risk of injury should a vehicle collide with the gate, as with no bolts that could shear on impact, the structure remains intact to maintain security and safety.

RAL Colour Range

colour to meet most customer requirements.

The RAL colour chart is for guide purposes only. Colour shades printed in this brochure may vary compared to the true RAL colour.

For larger projects where the exact shade and colour are crucial, please request a colour sample.

Download a RAL colour chart from our web

Delivery times will vary depending on the RAL colour specified, standard stock production colours benefit from a shorter delivery time and include:-

RAL 6005 (Green)	RAL 8001 (Brown)
RAL 6002 (Green)	RAL 7012 (Grey)
RAL 9005 (Black)	RAL 2002 (Orange)
RAL 1015 (Cream)	RAL 4006 (Purple)
RAL 5010 (Blue)	RAL 9010 (White)
RAL 3020 (Red)	RAL 1003 (Yellow)

RAL 1000	RAL 1001	RAL 1002	RAL 1003	RAL 1004	RAL 1005	RAL 1006	RAL 1007
RAL 1011	RAL 1012	RAL 1013	RAL 1014	RAL 1015	RAL 1016	RAL 1017	RAL 1018
RAL 1019	RAL 1020	RAL 1021	RAL 1023	RAL 1024	RAL 1027	RAL 1028	RAL 1032
RAL 1033	RAL 1034	RAL 1037	RAL 2000	RAL 2001	RAL 2002	RAL 2003	RAL 2004
RAL 2008	RAL 2009	RAL 2010	RAL 2011	RAL 2012	RAL 3000	RAL 3001	RAL 3002
RAL 3003	RAL 3004	RAL 3005	RAL 3007	RAL 3009	RAL 3011	RAL 3012	RAL 3013
RAL 3014	RAL 3015	RAL 3016	RAL 3017	RAL 3018	RAL 3020	RAL 3022	RAL 3027
RAL 3031	RAL 4001	RAL 4002	RAL 4003	RAL 4004	RAL 4005	RAL 4006	RAL 4007
RAL 4008	RAL 4009	RAL 5000	RAL 5001	RAL 5002	RAL 5003	RAL 5004	RAL 5005
RAL 5007	RAL 5008	RAL 5009	RAL 5010	RAL 5011	RAL 5012	RAL 5013	RAL 5014
RAL 5015	RAL 5017	RAL 5018	RAL 5019	RAL 5020	RAL 5021	RAL 5022	RAL 5023
RAL 5024	RAL 6000	RAL 6001	RAL 6002	RAL 6003	RAL 6004	RAL 6005	RAL 6006
RAL 6007	RAL 6008	RAL 6009	RAL 6010	RAL 6011	RAL 6012	RAL 6013	RAL 6014
RAL 6015	RAL 6016	RAL 6017	RAL 6018	RAL 6019	RAL 6020	RAL 6021	RAL 6022
RAL 6024	RAL 6025	RAL 6026	RAL 6027	RAL 6028	RAL 6029	RAL 6032	RAL 6033
RAL 6034	RAL 7000	RAL 7001	RAL 7002	RAL 7003	RAL 7004	RAL 7005	RAL 7006
RAL 7008	RAL 7009	RAL 7010	RAL 7011	RAL 7012	RAL 7013	RAL 7015	RAL 7016
RAL 7021	RAL 7022	RAL 7023	RAL 7024	RAL 7026	RAL 7030	RAL 7031	RAL 7032
RAL 7033	RAL 7034	RAL 7035	RAL 7036	RAL 7037	RAL 7038	RAL 7039	RAL 7040
RAL 7042	RAL 7043	RAL 7044	RAL 8000	RAL 8001	RAL 8002	RAL 8003	RAL 8004
RAL 8007	RAL 8008	RAL 8011	RAL 8012	RAL 8014	RAL 8015	RAL 8016	RAL 8017
RAL 8019	RAL 8022	RAL 8023	RAL 8024	RAL 8025	RAL 8028	RAL 9001	RAL 9002
RAL 9003	RAL 9004	RAL 9005	RAL 9010	RAL 9011	RAL 9016	RAL 9017	RAL 9018