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 **Rollalong**  
Modular Building Solutions

Quality accommodation,  
just the way you want it

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## Rollalong Delivers

Rollalong is an established volumetric manufacturer that designs, manufactures and installs high quality multi-storey accommodation from its large factory facilities in Dorset.

Rollalong has a strong track record of delivering successful projects for the Ministry of Defence, Housing Associations and cutting edge Property Developers. The majority of the buildings are for single living accommodation, urban apartments and key worker apartments otherwise known as 'cluster flats' and houses.

Rollalong is part of the Newship Group, a privately owned manufacturing conglomerate with an annual turnover of approximately £100 million. The Newship Group's operating philosophy is to focus on delivering quality products and service. Rollalong is committed to these values and consistently strives to exceed its clients' expectations.

## Rollalong Building System Capabilities

The Rollalong Building System is an innovative cold-rolled lightweight steel frame system, designed to provide buildings up to seven storeys high with a minimum design life of 60 years. Rollalong buildings satisfy all Building Regulations and relevant British Standards.

Rollalong's in-house design team assesses each project to identify the most effective design solution. The modules have no standard dimensions; so can be manufactured in a variety of sizes, which provides all-important design flexibility.

The modules are factory built incorporating all mechanical and electrical services. They are decorated and fitted with carpets or vinyl, kitchen furniture and bathrooms with sanitary ware and tiled floors. The modules are then simply delivered to site for installation.

As the design of each building is tailored to the specific project the building performance can be designed to the highest standard. A good example, are the Rollalong cluster flats and houses for Aspire Defence which were designed to achieve the BREEAM excellent rating.

## Rollalong Modular Building Generic Performance

Counter Terrorist Compliance	Criteria	
Stand Off Fence line	50m	Walls and ceilings designed to MoD Guidance note 2
Stand Off Car park	25 - 50 m	
Glazing Standard	Normal	Enhanced performance glazing as an option
BREEAM Rating	Rating	
	Excellent*	*Dependant on some external factors
Thermal performance	Elemental values	
Wall	0.29	A SBEM analysis of the whole building is carried out, these elemental figures are used as a guideline and will be modified for specific project requirements
Ground Floor	0.25	
Windows	1.6	
Roof	0.25	Combined with top up insulation in the roof space
Acoustic Performance- Airbourne	Average-measured values	
Bedroom – wall	50	Building Regulations $\geq 45 \text{ Dntw} + \text{Ctr}$ Rollalong standard performance at least $5 \text{ Dntw} + \text{Ctr}$ better
Bedroom – ceiling / floor	50	
Acoustic Performance- Impact	Average-measured values	
Bedroom – ceiling / floor	58	Building Regulations $\leq 62 \text{ Lntw}$ Rollalong standard performance at least $4 \text{ DLntw}$ better
Air Permeability	Average-measured values	
	6-7 m <sup>3</sup> /h.m <sup>2</sup>	Building Regulations $\leq 10 \text{ m}^3/\text{h.m}^2$

## Rollalong Off-site Benefits

By working in close partnership with our clients and tailoring the use of volumetric construction to each individual project, Rollalong consistently ensures the client receives the maximum benefits from off-site construction.

### Speed of Delivery

Volumetric manufacture reduces build programmes by up to 30% compared to traditional build timescales. By utilising the efficiency of off-site methods, the manufacture of Rollalong modules can be undertaken whilst the ground works are being completed. Additionally, the high level of module finish reduces the amount of time on site.

### High Quality

The modules are manufactured in a factory environment that is controlled by an ISO 9001:2000 system. We aim for a zero defect product and each module includes a detailed product history as part of our monitoring process.

### High Performance

The design of the Rollalong Building System ensures the building is durable and low maintenance with excellent thermal efficiency and sound insulation.

### Quality Sample

Rollalong will build a prototype for the client to ensure that they are satisfied with the quality and internal fit out.

### Minimum Disruption

The manufacture of the modules off-site means less labour, transport, noise and waste on site, which is particularly beneficial to the Ministry of Defence with its strict security requirements on working establishments. Furthermore, delivery of modules can be timed to suit the local community or surrounding areas to avoid any disruption.

### Sustainability

The volumetric manufacture process reduces the production of waste to just 1.8% of total material used (WRAP Research). Rollalong have non-packaged materials delivered direct to the production line and re-use packaging materials wherever possible e.g. with doors and windows delivered in stillages.

Rollalong has delivered low carbon footprint social housing and BREEAM excellent rating accommodation.

## Expertise

Our construction team of experienced Project and Site Managers are skilled at dealing with the special needs of working on Ministry of Defence sites and have installed over 1,000 Single Living Accommodation bedrooms during the past 6 years.

## Health and Safety

Rollalong's volumetric manufacture is a safer way to build as our large modules help to reduce Health and Safety risks with less transportation, craneage and working-at-height.

## Best Value

The Rollalong Building System is cost competitive compared to traditional build, with the quick build programme allowing earlier occupancy for tenants or homeowners.

Rollalong has an impressive track record and consistently delivers first-class, cost effective accommodation quickly with the minimum of disruption.

**Please contact us on 01202 824 541 for your Rollalong modular building solution.**

