

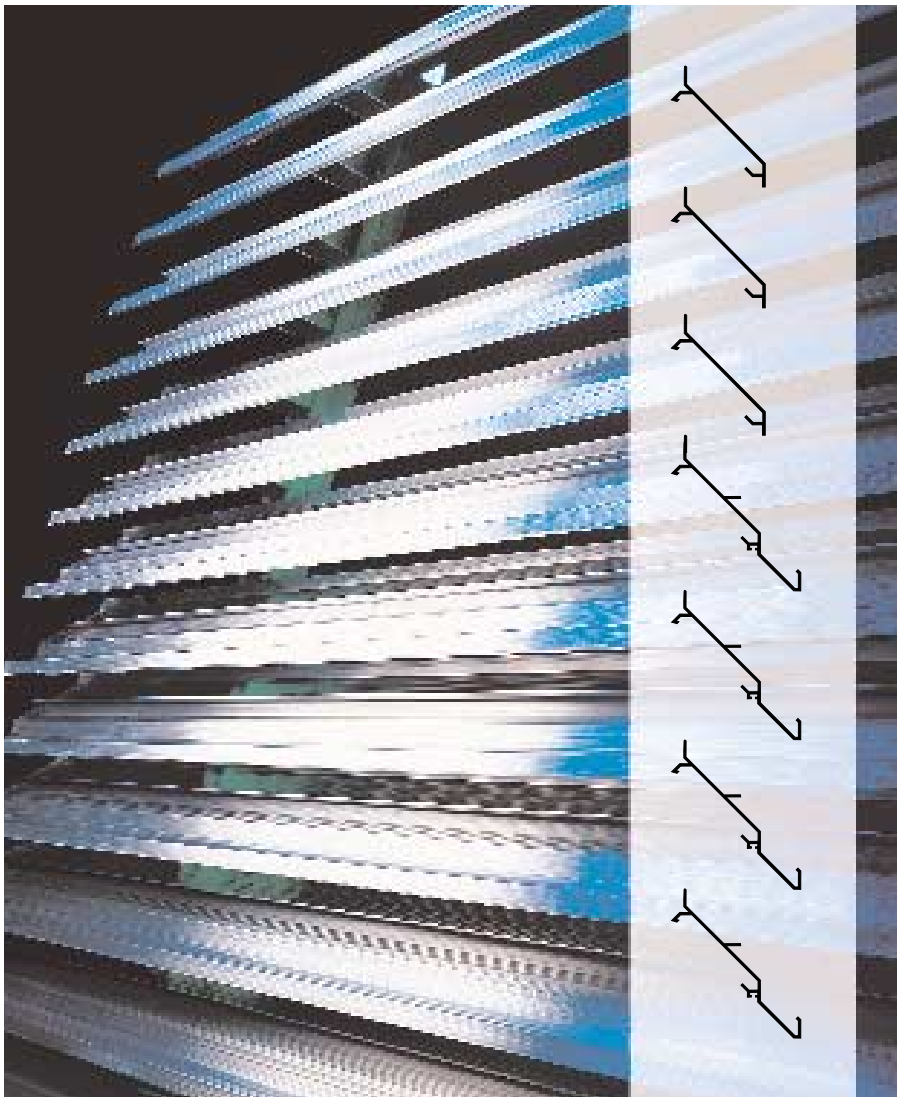
Universal Louvre - *E* Series

Extruded Aluminium Louvre System

The *E* Series is the latest addition to the Colt Universal Louvre range. It is an extruded aluminium, single bank louvre system available in two discrete 75mm pitch configurations for screening and performance applications.

Both *E* Series louvre blade profiles offer the crisp lines typical of extruded aluminium sections, whilst the ERD performance louvre option offers outstanding effectiveness under normal weather conditions. The *E* Series can be tailored and coated to suit all commercial and industrial applications.

The Universal Louvre range is manufactured by Colt using **100% recycled** aluminium for the principal components.



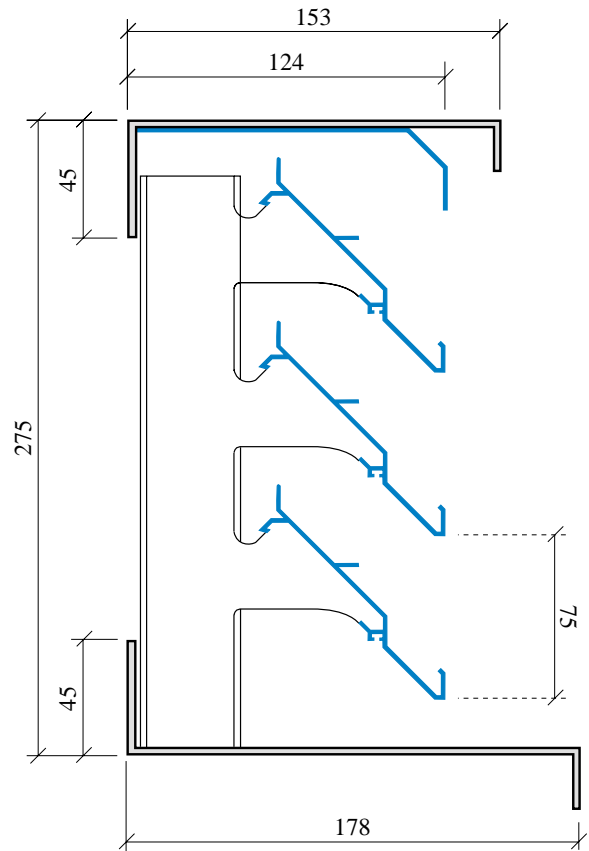
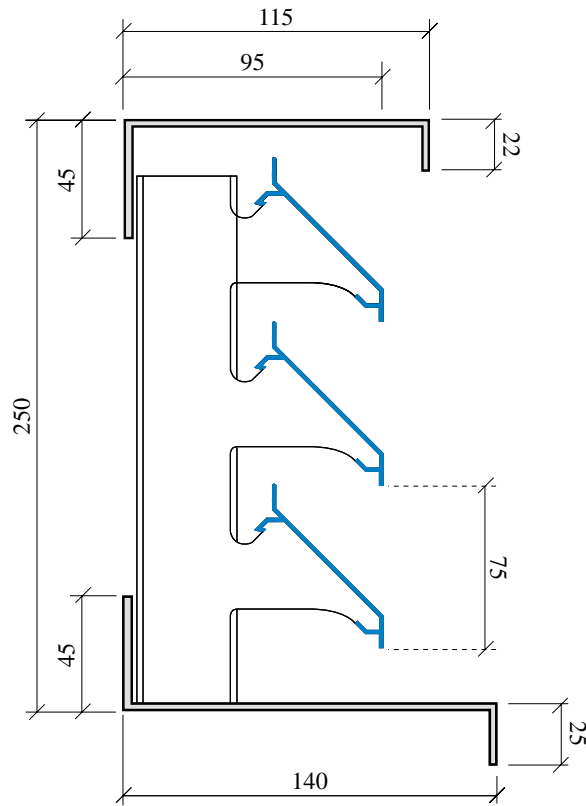
Benefits & Features

- *Extruded aluminium louvre blades mounted at 75mm pitch.*
- *Attractive crisp appearance.*
- *Flexible configuration.*
- *The ESC louvre offers a competitive solution to screening and cladding applications.*
- *The ERD louvre offers excellent performance for normal weathered ventilation applications.*
- *Available as mill finish aluminium or with a total coverage or partial coverage polyester powder paint finish.*
- *Full range of accessories available to suit particular project requirements.*
- *Durable and reliable.*
- *Virtually maintenance free.*

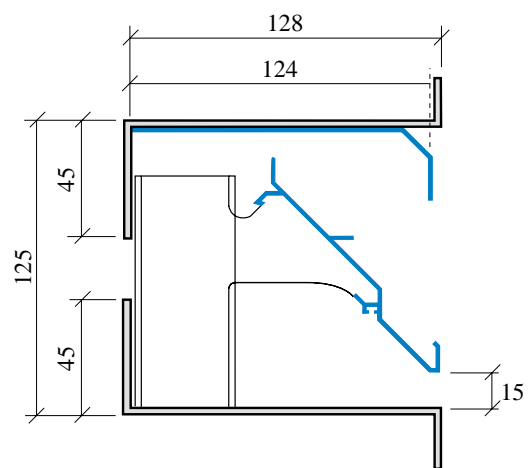
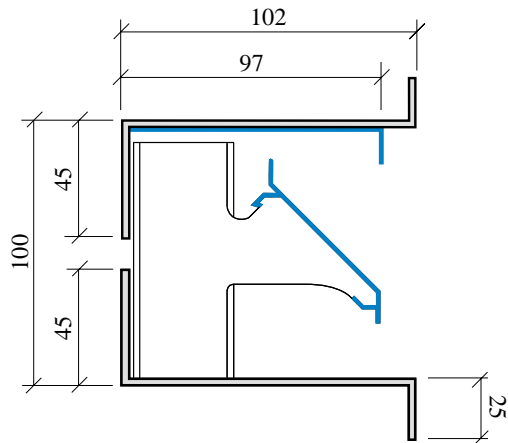
Universal Louvre - *E* Series

Dimensions (minimum)

Internal Flange

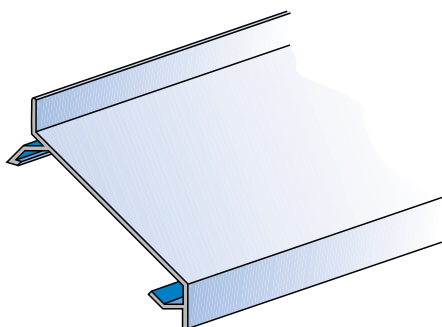


External Flanged Frame

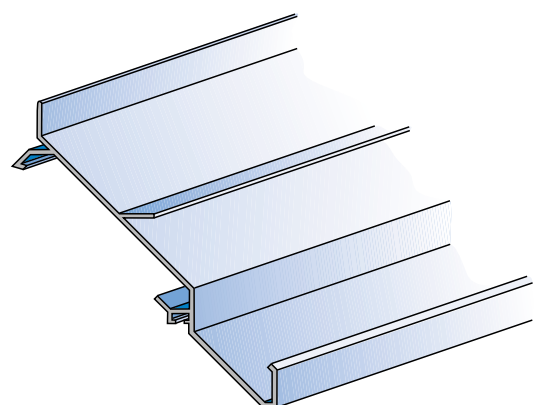


Profiles

1 UL / ESC



1 UL / ERD



Universal Louvre - *E* Series

Performance Data

The HEVAC* test standard ‘Laboratory Testing And Rating Of Weather Louvres When Subjected To Simulated Rain’ includes a simple classification system for performance louvre.

Use of the classification system enables easy comparison of manufacturers’ louvre systems.

The performance data for the Colt Universal Louvre *E* Series is taken from independent tests carried out by BSRIA† in accordance with the HEVAC test standard.

Weather Effectiveness

Louvre Type	Core Velocity (m/s)								Effectiveness and HEVAC Class
	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	
1 UL / ERD	0.993	0.985	0.968	0.95	0.898	0.69	0.428	0.35	
	A	B	B	B	C	D	D	D	

Tests carried out under 13m/s wind speed conditions

Aerodynamic Performance

Louvre Type	HEVAC Class	Inlet (cv)	Extract (cv)	Inlet §	Extract §
1 UL / ERD	2	0.3	0.29	11.11	11.89

Selection Table for Universal Louvre - *E* Series

Louvre Type	HEVAC Class	Core Velocity	Weather Performance
1 UL / ERD	A2	No core velocity	No appreciable water entry from wind driven rain
1 UL / ERD	B2	Up to 1.5 m/s	Some water entry
1 UL / ERD	C2	1.5 to 2.0 m/s	Significant water entry
1 UL / ERD	D2	2.0 to 3.5 m/s	Significant water entry

* Heating Ventilation and Air Conditioning Manufacturers’ Association

† Building Services Research and Information Association

§ = Pressure Loss Factor

The Product

The new *E* Series louvre system supplements the long-established benefits of the Colt Universal Louvre System by offering specifiers a choice of extruded aluminium louvre blades mounted at 75mm pitch.

There are two options:

ESC A simple, clean louvre profile which offers a competitive and flexible solution to screening and cladding applications - as well as ventilation applications where rain defence is not a requirement.

ERD A specially designed profile which offers a crisp appearance and outstanding performance characteristics for a single bank louvre system - particularly with low core velocities.

Both options are available with flanged frames.

Universal Louvre - *E* Series

Product Specification

Colt Single bank Universal Louvre type 1UL/E(SC or RD) with extruded louvre blades clipped horizontally at 75mm pitch onto structural support mullions to give a continuous external appearance and to allow longitudinal expansion and contraction of the louvres.

Principal components to be manufactured from 100% recycled grade aluminium with a MILL / POLYESTER POWDER finish - TOTAL / PARTIAL coverage.

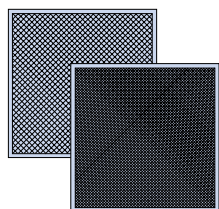
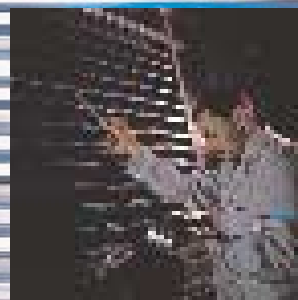
HEVAC Class: - - at - - - m/s core velocity.

Maintenance

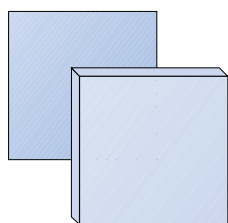
Colt Louvre Systems are designed to be virtually maintenance free, although regular cleaning of the louvres with a mild detergent is recommended. For obvious reasons, abrasive cleaning agents and wire brushes must not be used.

Accessories

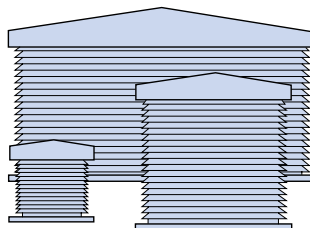
A full range of accessories is available to suit particular project requirements.



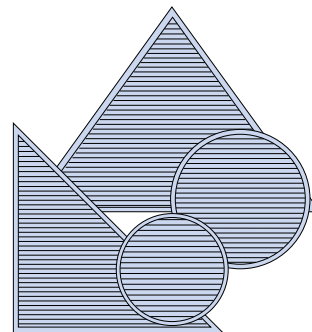
Bird / Insect guards



Blanking Panels



Turrets



Special Shapes



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