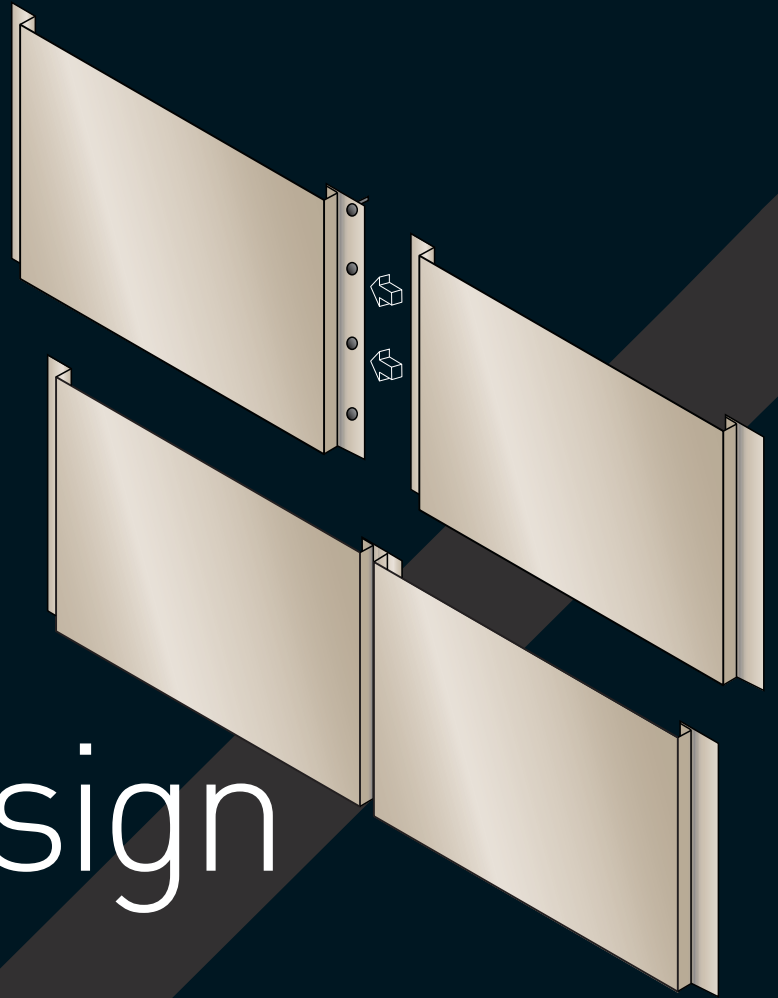


MET-SEAM® TECHNICAL DETAILS



...simple
by design

MSCas Metal Cassette Panels

The MSCas Cassettes system is self supporting and can easily be installed on a non-continuous metal or timber support framework.

MSCas gives an elegant and stylish finish to any building with both standard or bespoke sizes.

**ENGINEERED METAL CASSETTES
FOR THE BUILDING ENVELOPE**

MET-SEAM® MSCas Metal Cassette Panels

TECHNICAL DETAILS

APPLICATIONS

The **MSCas Cassettes** can be used for a number of applications including;

EXTERNAL FAÇADES



INTERNAL DECORATIVE FINISH TO A WALL



SOFFITS



NEW BUILD AND REFURBISHMENT PROJECTS



MSCAS CASSETTE PROFILE

Each **MSCas Cassette** is profiled along its length with one edge having a 'leg' and the other edge a 'groove'.

The cassettes are ...simple by design... and are connected by the leg of the first cassette sliding into the groove of the next cassette and mechanically fixed through the groove edge.

Each mechanical fixing is covered and hidden from view by the next consecutive cassette, giving a complete secret fixed appearance.

SURFACE FINISHES

MSCas Cassettes are available in a variety of surface finishes including;

- Zintek Pre-Weathered Zinc
- Zintek Bright Natural Zinc
- Zintek Green
- Zintek Black
- VM Quartz Zinc
- VM Anthra Zinc
- Rheinzink Blue / Grey
- Mill Finished Bright Copper
- Pre-patinated Green Copper
- Nordic Brown Copper
- Nordic Blue Copper
- Luvata Brass
- Painted Aluminium
- EuraZinc
- Falzinc
- Painted Steel

Care should be taken in the selection of metals as incompatibility between metals and some timbers can cause adverse reactions. If unsure please contact us for further information. Full details of the material options are available on separate data sheets.

FIXINGS

Fixing to a timber framework can be by stainless steel nails or flat head stainless steel screws.

Fixing to a metal framework should be self drilling stainless steel screws.

DIMENSIONS

Although **MSCas Cassettes** can be manufactured in a variety of face widths and lengths to your bespoke requirements, designing in dimensions that suit the coil sizes will give the most economical solution.

The maximum length of the cassette is 4.0m long.

TABLE OF THE MOST ECONOMICAL DIMENSIONS

METAL TYPE	FACE WIDTH	CASSETTE LENGTH	CASSETTE DEPTH	SHADOW WIDTH
Zintek Pre-Weathered Zinc	205mm / 390mm	4.0m	20mm	20mm
Zintek Bright Natural Zinc	205mm / 390mm	4.0m	20mm	20mm
VM Quartz Zinc	140mm / 170mm	4.0m	20mm	20mm
VM Anthra Zinc	140mm / 170mm	4.0m	20mm	20mm
Rheinzink Blue / Grey	170mm / 414mm	4.0m	20mm	20mm
Mill Finished Bright Copper	140mm / 170mm	4.0m	20mm	20mm
Pre-patinated Green Copper	140mm / 170mm	4.0m	20mm	20mm
Nordic Brown Copper	140mm / 170mm	4.0m	20mm	20mm
Nordic Blue Copper	140mm / 170mm	4.0m	20mm	20mm
Painted Aluminium	140mm / 240mm	4.0m	20mm	20mm
EuraZinc	140mm / 240mm	4.0m	20mm	20mm
Falzinc	140mm	4.0m	20mm	20mm

MSCas Cassettes can be manufactured with a variety of shadow gap widths between each panel or if you prefer can be tightly butted together.



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METAL THICKNESS

Thickness of material will depend on its exposure to damage, wind stresses and the face width, 0.7mm, 0.8mm or 1.0mm thick will be the most common.

FACADES

MSCas Cassettes can be installed either vertically or horizontally using the same methods. Flashings around window reveals etc can also be installed very quick and easy.

SOFFITS

MSCas Cassettes give an elegant finish to the exterior soffit of the building and they are very quick and easy to install using an edge channel against the building.

FLASHINGS & TRIMS

MET-SEAM® MSCas Cassettes are supplied as a complete system, with all necessary flashings, trims, fixings, underlay and accessories, which are available in all of the metal options, ensuring compatibility of material finish and quality.

THE ENVIRONMENT

Met-Seam Limited accepts its responsibility to help the environment and has carefully selected the choice of materials not just for their aesthetics but also their environmental credentials. The metals used in producing our systems have a high re-cycled content, reducing energy used in production and extending the lifecycle of valuable resources.

GUARANTEES & WARRANTIES

Zinc and Copper have been used successfully in construction for hundreds of years and the test of time speaks for itself, however, upon request and after a site inspection of new installations and after all recommended remedial work being carried out, Met-Seam Limited will issue the building owner with a ten year systems warranty. The trained Met-Seam installer will match this warranty with a ten year workmanship warranty.

SPECIFICATIONS

Met-Seam will assist in the preparation of specifications.

PACKING

MET-SEAM® MSCas Cassettes are manufactured in a controlled environment thereby guaranteeing a very high standard of finish. Each production is project specific and dispatched in custom made crates for delivery to site.

TRANSPORT

MSCas Cassettes must be transported and stored, standing on its 'Leg' edge. They must be transported and stored in dry, well ventilated conditions and in a constant temperature in order to avoid condensation risk.

DELIVERY

Met-Seam Limited will endeavour to deliver on time every time, but we accept no responsibility for late deliveries. We can organise the delivery or customers can arrange their own collection. The customer becomes responsible for the materials once they have left our premises. Off-loading is the responsibility of the customer.

PROTECTIVE FILM

In most cases MSCas will come with a protective film on the outer surface in order to protect the panels during handling and installation. Ideally the Protective Film should be removed from the entire surface at the same time, immediately following installation, however, if there is other work going on close by that could result in damage to the surface of the MSCas it would be advisable to leave the entire film on.

If the film is left on for a long period of time it can become difficult to remove, it is advisable to remove the film within 4 weeks of installation.

INSULATION

The type and thickness of insulation used needs to be calculated out. It can be installed between the structural frame system members, but a continuous airflow gap of 50mm should be provided up the back of the MSCas Cassettes.

DESIGN

Met-Seam Limited will assist Architects and Specifiers with designs and details. The earlier we get involved the better as this will keep continuity through the various stages of design, planning, tendering, installation and maintenance, ensuring the client gets a first class system which has been accurately designed, correctly detailed, installed by a competent contractor and inspected by Met-Seam Limited.

TRAINING

Met-Seam Limited are dedicated to ensuring that MET-SEAM® MSCas Cassettes are installed correctly by competent and skilled operatives. We require the level of workmanship to be as high a standard as possible; therefore, all installation contractors must attend our Training School and successfully pass our MET-SEAM® MSCas training course.

TO THE INSTALLER

Met-Seam Limited only recommends those installers who have successfully completed our MET-SEAM® MSCas Cassette Training course on the correct installation of the MET-SEAM® MSCas Cassettes.

Met-Seam Limited have strict installer criteria and we have carefully chosen those installers, who have demonstrated that they have the skill level within their workforce, can pay particular attention to detail and who operate in a professional manner in the instigation of their work. We offer full technical support including on site problem solving. It is our priority that our system is installed correctly.

TO THE PRINCIPLE CONTRACTOR

Because MET-SEAM® MSCas Cassettes are installed on site much quicker than many other systems the Principle Contractor will have the building water tight much earlier, which means a faster programme allowing the internal fitting-out of the building to be started earlier.

TO THE ARCHITECT

Met-Seam Limited offer full technical advice and support both in specification and detailing. We want to get involved from the very beginning to assist in the smooth installation of our products. No Architect should ever be concerned about specifying any of our products as we are eager to assist in any way we can. Onsite inspections, by one of our technical team, will be carried out to ensure that our MET-SEAM® MSCas Cassettes are being installed correctly, giving peace of mind to everyone involved.

TO THE CLIENT

In choosing the MET-SEAM® MSCas Cassettes you can have the confidence that not only have you got a quality Facade system that is attractive, modern and environmentally friendly but that the installer has been chosen for their credentials, that Met-Seam Limited have been involved in the specification, design and inspection of the system and equally important that you will have a system that is competitively priced and excellent value for money.