

Architectural Facade Systems
CEME Division

Dri-Design
Storage conditions



Dri-Design: Introduction to the system

Dri-Design is an aluminium cassette based system dedicated for buildings with minimal as well as sophisticated facade design. The system combines quick and simple installation with durability and high technical performance. Thanks to different cassette shapes available (Flat, Shadow, Tapered) a 3D facade can be achieved. All Dri-Design cassettes are A2-s1,d0, EN13501-1 compliant.

System Highlights:

- High quality aesthetic options - very wide range of colours, finishes, sizes and cassette shapes.
- No sealants or gaskets.
- Minimum number of components - fixing points located only along the top edge of the cassettes.
- Significantly faster installation compared to similar façade systems.
- Low cost of façade maintenance and upkeep.
- Dri-Design cassettes can be installed to the Karrier panel (as a direct fix or via aluminium omega or Z profiles) or to the substructure (as part of ventilated facade).



Cassettes technical specs:

- Minimal / maximal face width: 390 – 3750 mm
- Minimal / maximal face height: 170 – 1220 mm (face width to be determined from wind load)
- Depth of cassette: 32 – 100 mm according to the type of cassette
- Aluminium thickness: 2 mm
- Width of vertical joint: 16 mm
- Width of horizontal joint: 14 mm
- Finish types: polyester powder coated (PPC), anodised, mill

Unloading and storage conditions

Unloading

The Dri-Design cassettes are delivered in crates. Handle and transport the shipment with care. Unload using dedicated power equipment, like a crane or a forklift truck with the fork spacing set correctly for the width of the crate to be picked up. For cassettes packed in crates up to 4 m long, a crane with webbing slings and spreader planks can be used; keep the slings 50 mm inward from the crate ends.

Do not stack any crates on top of one another!
Do not handle any open crates!

After the shipment delivery arrives at the destination, inspect the crates for evidence of damage by water. Wet cassettes must be dried to prevent bloom and corrosion. Each cassette must be removed from the crate using two-man teams, with all cassette corners held in the hands. Move the cassettes upright. Wear suitable work gloves to avoid staining and damage to the cassettes while handling. Do not slide one cassette over another or other surfaces, to prevent scratching of the cassette surface.

Storage conditions

Each cassette is separated by spacers and wrapped in stretch film. If packed in two pieces (this depends on the cassette size), the cassettes are set together, back-to-back, and wrapped in stretch film for extra protection. There are poly foam combs installed at the bottom, top, and side edges of the cassettes packed back-to-back to prevent them from shifting against one another. The shipping crates are braced with steel angles at the corners and held together with planks on the side walls. The crates are closed from the top using steel profiles. Each box pallet is wrapped in black stretch film for extra protection.

Keep the crates dry

Keep the delivered cassettes (packed in braced crates) in conditions which prevent condensation inside the crates. Each crate shall be kept sheltered (to avoid direct sunlight, rain, and/or extreme temperature changes). The crates can be stored outdoors. To prevent condensation, however, remove the stretch film from the cassettes.

This will allow the cassettes to 'breathe' and lose potential condensation. Keep the cassette crates at a slight inclination to allow easy drainage of any water from the outer surfaces.

Absolutely avoid condensation that may damage the cassettes or be detrimental to their quality and aesthetic value. Note that condensation may also occur during transport when the cassettes are moved from a low temperature location to a warmer one. If moisture penetrates the packaging and the cassettes are exposed to sunlight afterwards, there is a risk of the cassette coating discolouring and blistering. Follow these recommendations to protect the cassettes from coating damage and corrosion attack. The manufacturer shall not be liable for any corrosion emerging on the cassettes by failure to comply with these recommendations.

Verify the cassette dimensions before attempting to install

Each crate displays a waybill (which is most often placed beneath plastic film). It is easy to determine the order in which the crates are to be opened by referring to the waybills displayed. It is recommended to arrange the cassettes in their order of installation. The cassettes display identification markings; nevertheless, verify the dimensions of each cassette prior to the installation process. Unnecessary handling of the cassettes is a risk of product damage. Place packages of cassettes on wooden or styrofoam spacers to ensure unobstructed ventilation. The maximum storage time is 6 months from the production date.

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