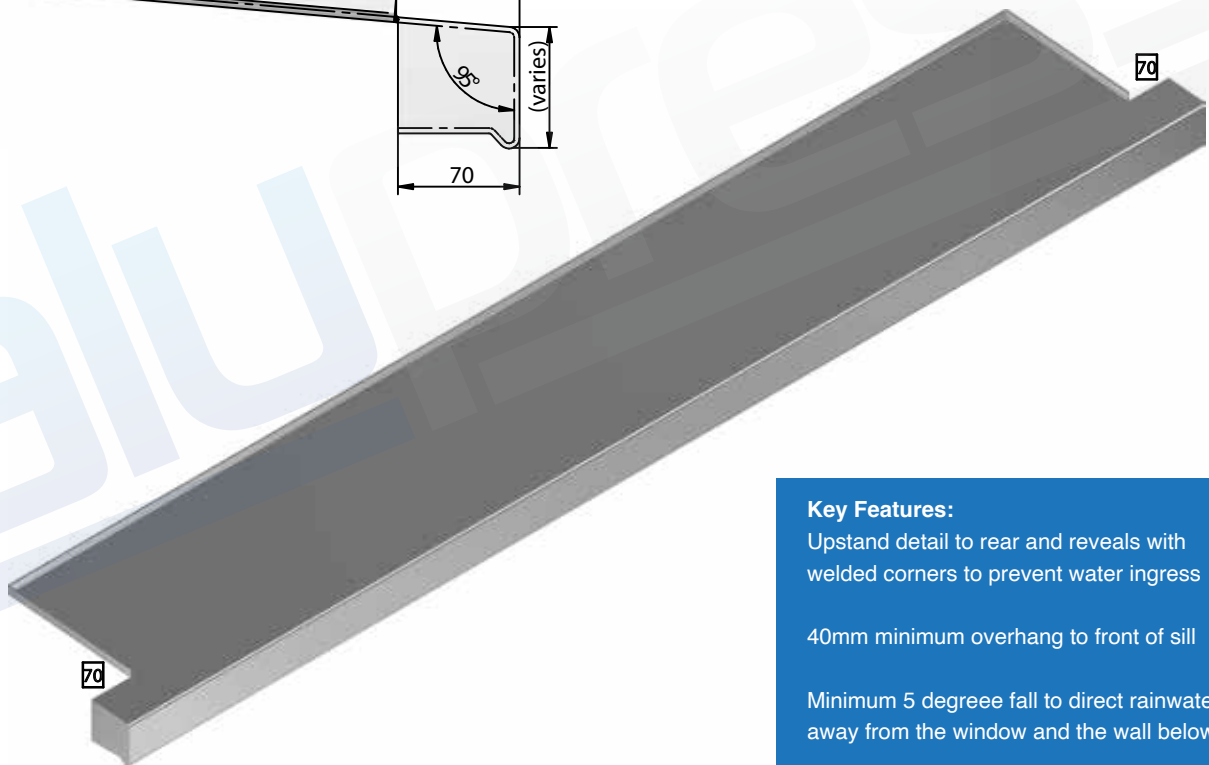
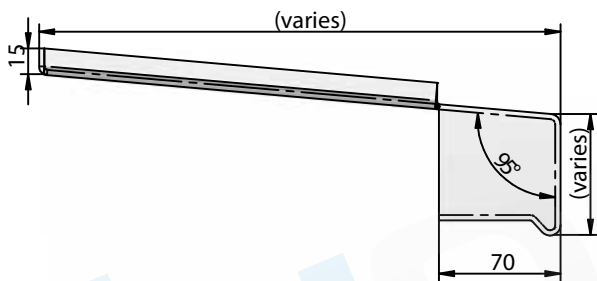


alupress

EWI SILLS

2MM THICK ALUMINIUM POWDER COATED WINDOW SILLS DATA SHEET



Key Features:

Upstand detail to rear and reveals with welded corners to prevent water ingress

40mm minimum overhang to front of sill

Minimum 5 degree fall to direct rainwater away from the window and the wall below

2MM THICK ALUMINIUM POWDER COATED DATA SHEET

2mm thick Aluminium powder coated window sills are durable, corrosion-resistant components designed to provide a protective and aesthetic finishing touch to window installations. They offer excellent weather resistance, structural support, and an attractive appearance, making them suitable for various residential, commercial, and industrial applications. Alupress sills are complete with upstands to the rear and both reveals, corners must be welded to enable a watertight seal. Sills must have a minimum of 40mm overhang.

Key Features:

Material: High-grade aluminium

Finish Options: Powder Coated standard range of RAL classic colours

Profiles: Available in sloped, or custom profiles

Length Options: Variable up to 4000mm

Widths: Standard 100-500mm

Thickness Options: 2mm thick

Welded upstands to rear and reveals to prevent water ingress at these areas.

Welded stop ends to either end of sills.

Minimum overhang of 40mm

Environmental Resistance: Corrosion-resistant, UV-stable, and weatherproof

Technical Specifications:

Material : 2mm thick aluminium sheet to EN 485, 515, 573 1050AH14

Material Alloy: 1050A H14

Type of Coating: Polyester Powder Coated to EN 1396:2015

Warranty: Available on request. No standard warranty, any warranty needs to be applied for prior to project commencement and warranty term is subject to location and surrounding environmental conditions.

Normal weathering of the coating will occur during the service life, with a reduction in gloss and gradual uniform colour change.

Quality Assurance: All products are manufactured and tested to conform with EN 1396, EN13523 and other applicable EN norms, ASTM norms and ECCA guidelines.

Performance Characteristics

Durability: High resistance to corrosion, suitable for coastal and industrial environments

Maintenance: Low maintenance, easy to clean

Compatibility: Suitable for use with various window systems, including aluminium, Aluclad, UPVC and timber.

Applications

Residential buildings: Houses and apartments.

Commercial buildings: Offices, retail stores, and hospitality establishments

Industrial buildings: Warehouses, factories, and workshops

Public buildings: Schools, hospitals, and government facilities

Customisation Options

Dimensions: Custom widths, lengths, and profiles to match specific project requirements

Maintenance Instructions

Clean with mild soapy water using a soft cloth

Avoid abrasive cleaners/tools that may harm surface

Inspect periodically for any signs of blockage, damage, or wear and clear debris as necessary.

This data sheet provides essential information about our aluminium window sills, ensuring you have all the details needed for your project. For further assistance or to place an order, please contact our customer service team

2MM THICK ALUMINIUM POWDER COATED INSTALLATION GUIDE

When installing aluminium windowsills in conjunction with external wall insulation (EWI), there are additional considerations to ensure proper insulation, weather resistance, and a secure fit. Here is a general guide, but it is crucial to follow the specific instructions provided by the EWI system and windowsill manufacturers.

Materials and Tools:

- Aluminium windowsill
- Screws suitable for exterior use
- Screwdriver or power drill
- Level
- Tape measure
- Sealant compatible with EWI
- Mastic gun
- Insulation adhesive (if required by the EWI system)
- External wall insulation system components

Installation Steps:

Prepare the Wall:

Ensure that the external wall surface is clean, dry, and free of any debris.

Follow the guidelines of the EWI system for surface preparation.

Install External Wall Insulation:

Follow the manufacturer's instructions for installing the EWI system.

Apply insulation adhesive and fix insulation boards securely to the external wall.

Measure and Cut the Aluminium Sill:

Measure the width of the window opening, considering the additional thickness of the external insulation.

Cut the aluminium windowsill to the correct length, if necessary.

Test Fit:

Place the aluminium sill on the wall to check the fit.

Ensure it sits level and aligns with the window opening.

Check for Level:

Use a level to confirm that the sill is perfectly level.

Adjust as needed to achieve a level surface.

Seal Joints and Edges:

Apply sealant compatible with the EWI system to the joints between the sill and the wall.

Seal any gaps or edges to prevent water infiltration.

Integrate with EWI System:

Ensure that the aluminium sill is integrated into the EWI system properly.

Follow any specific instructions provided by the EWI system manufacturer for integrating components like profiles or trims.

Final Check and Adjustments:

Double-check that all screws are securely tightened.

Confirm that the windowsill is properly aligned and seated.

Clean Up:

Remove any excess sealant or debris.

Always follow the guidelines and recommendations provided by both the aluminium windowsill and EWI system manufacturers. Proper installation ensures the effectiveness of the insulation and the durability of the window sill in external wall insulation applications.

2MM THICK ALUMINIUM POWDER COATED REPAIR PROCEDURE

Repairing powder-coated aluminium involves several steps to restore the damaged area and maintain a seamless appearance. Here's a detailed procedure:

Assess the Damage:

Minor Scratches: Surface-level scratches that don't penetrate the powder coating layer.

Deep Scratches or Chips: Damages exposing bare aluminium.

Extensive Damage: Widespread wear, peeling, or corrosion.

Prepare the Area

Clean: Wash the damaged area with warm soapy water to remove dirt, grease, or debris. Rinse thoroughly and let it dry.

Decontaminate: Use a mild solvent to remove any remaining oils or residues.

Sand: Lightly sand the damaged area with fine-grit sandpaper (e.g., 320-400 grit) to smooth edges and create a surface for adhesion. Feather the edges of the powder coating to blend it into the surrounding area.

Treat Bare Aluminium (If Exposed)

Remove Oxidation: If the bare aluminium shows signs of oxidation, use fine sandpaper or a scouring pad to clean it.

Apply a Primer: Use a suitable aluminium primer to protect against corrosion and ensure adhesion of the touch-up material.

Touch-Up Application

Small Scratches:

Use a touch-up pen or spray paint designed for powder-coated surfaces.

Apply the paint in thin layers, allowing each coat to dry as per the product instructions.

Chips or Deep Scratches:

Apply a filler or repair compound if the damage is substantial, sanding it smooth after curing.

Use a touch-up spray or brush-on paint that matches the powder coating colour. Blend the edges with light sanding between coats for a seamless finish.

Cure the Repair

Allow the paint or repair compound to dry completely, following the manufacturer's recommendations for drying time.

Inspect and Polish

Inspect the repair for consistency in texture and colour. Buff the repaired area lightly to blend it into the surrounding surface.

Seal and Protect

Apply a clear protective coat to enhance durability and protect the repair from UV exposure and wear.

Tips:

Colour Match: Obtain touch-up paint that matches the original powder coating. Contact the original supplier if possible.

Environmental Conditions: Perform the repair in a controlled environment to avoid dust or moisture interference.

Professional Help: For extensive or highly visible damage, consult a professional surface repair specialist.

Clean Up:

Remove any excess sealant or debris.

Maintenance Instructions:

Clean with mild soap and water using a soft cloth or sponge. Avoid abrasive cleaners or tools that may scratch the surface. Inspect periodically for any signs of damage or wear and repair as necessary.

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