

ATLAS 100

aluminium eaves profiles for balconies and terraces

- components of water drainage systems
- weather-resistant
- resistant to mechanical damage
- quick and easy to install



Profile properties

They feature a profiled drip edge that directs water away from the wall surface.

They feature a fixed expansion joint cord, separating them from the finishing layers – this is positioned above the drainage holes.

They are quick and easy to install.

They have a long-lasting durability – they are resistant to weather conditions, corrosion, aggressive environmental factors, high pH and UV radiation.

They are manufactured in three standard colours – grey (RAL 7037), brown (RAL 8019) and graphite (RAL 7024). Any colour from the RAL palette can be ordered (the minimum order quantity for the Main Profile is 10 pieces). The lead time for custom orders is 14 working days.

It is possible to order corners with any angle or in the shape of an arc. The lead time for custom orders is 14 working days.

Purpose of eaves systems

Ensure effective drainage of rainwater - from the surfaces of balconies or other horizontal building elements finished with ceramic cladding.

Ensuring watertightness in eaves areas – the design of the profiles used in the system allows for a watertight connection with the waterproofing and the floor layer.

Substrate types - cementitious subfloors and other substrates having adequate stiffness or bearing capacity.

Technical data

Finishing profiles and accessories are made of aluminium with a polyester coating.

System components

Atlas 100 Main Drip Profile brown
Atlas 100 Main Drip Profile grey
Atlas 100 Main Drip Profile graphite
Atlas 100 External corner 90 brown
Atlas 100 External corner 90 grey
Atlas 100 External corner 90 graphite
Atlas 100 Internal corner 90 brown
Atlas 100 Internal corner 90 grey
Atlas 100 Internal corner 90 graphite
Atlas 100 External corner 135 brown
Atlas 100 External corner 135 grey
Atlas 100 External corner 135 graphite
Atlas 100 Internal corner 135 brown
Atlas 100 Internal corner 135 grey
Atlas 100 Internal corner 135 graphite
Atlas 100 Connector brown
Atlas 100 Connector grey
Atlas 100 Connector graphite

Technical requirements

ATLAS EAVE PROFILES (2021) Declaration of Performance E271/CPR EAD 220008-00-0402: June 2015 European Technical Assessment ETA-20/0676 dated 10/12/2020	
Intended use: eaves profiles are designed for use on balconies and terraces, including loggias, with stone, concrete or ceramic flooring in systems with waterproofing made of sealing mortar, bituminous, PVC, EPDM or resin. The slope of the terrace or balcony slab should be 1.5 to 2%.	
Reaction to fire	A2-s1,d0
Corrosion resistance. Properties of the polyester coating:	
- coating thickness	≥ 60 µm
- adhesion	0
- hardness	≥ 80

General assembly rules

Preparation of the substrate and profiles

The substrate must be load-bearing, level and free from contaminants. Cement-based substrates should be fully set and cured (see requirements for ATLAS WODER DUO, etc.). Along the edge of the balcony or terrace, across the width of the profile being installed (80 mm), the substrate should have a step (a drop of approximately 3 mm) so that, once the profile is installed, its surface is flush with the substrate. For this purpose, an ABS template is supplied with the profile, which should be embedded into the top layer during the application of the primer (alternatively, once the primer has set, the required profiling should be carried out, e.g. using a router). Once the primer has set, the ABS template should be removed. This creates a ready-made recess into which the profile can be installed.

Before installing the profiles, they must be carefully measured and cut to the dimensions of the edge being worked on. Mark the positions of the fasteners on the underlay, drill the holes and fit the sleeves.

Assembly of system components

Fill the substrate with ATLAS WODER DUO waterproofing compound, position the prepared profile and fix it mechanically. Begin installing the eaves components with the CORNERS. Apply the system END CAP to the profile in contact with the wall beforehand. Directly against the wall, maintain a gap of at least 5 mm between the profile and the wall face. Joints: MAIN PROFILE-CORNER and MAIN PROFILE-MAIN PROFILE – make using CONNECTORS. These joints should have an expansion gap 1–2 mm wide. Apply system connectors to the gaps between the profiles, and the remainder of the gap (on the floor side) should be sealed with a permanently elastic sealant, e.g. ATLAS ELASTIC SANITARY SILICONE or ATLAS SITON S SANITARY SILICONE.

The installed profile should be coated again with waterproofing compound, and then ATLAS HYDROBAND 3G sealing tape should be applied (leaving the drainage holes uncovered). After approximately 3 hours, apply a second layer of waterproofing. The MAIN PROFILE and CORNERS must be separated from the cladding around the perimeter using suitable flexible sealants, e.g. ATLAS ELASTIC SANITARY SILICONE or ATLAS SANITARY SILICONE SILTON S.

Then apply under-tile waterproofing over the entire surface of the balcony or terrace.

Packaging

Product type	Packaging type	Number of items per pack
Main profile 2 m long	film	1
Internal or external corner	film	1
Connector	cardboard	5
End piece: 1 set (1 left + 1 right)	box	2

Storage and transport

Profiles should be transported in their original packaging, in a horizontal position, protected against mechanical damage. Store in areas protected from dirt, deformation and scratches, in cardboard boxes in layers (max 10 layers).

Important additional information

Profiles should be cleaned at least twice a year. It is best to use clean water and a non-abrasive cloth for cleaning. Do not use strongly acidic or strongly alkaline cleaning agents, nor surfactants that may react with aluminium. Do not use organic solvents containing esters, ketones, alcohols, aromatic compounds, glycol esters, chlorinated hydrocarbons, etc. After each wash, the surface must be rinsed immediately with clean cold water. Do not use salt or chemical de-icing agents near the profiles.

Use a hand saw or power saw suitable for cutting aluminium to cut the profiles. The use of hand saws or power saws designed for cutting aluminium is permitted. It is not permitted to use tools that cause a thermal effect (sudden rise in temperature), e.g. angle grinders, to cut the profiles.

Carry out installation work under conditions suitable for the insulation and installation materials, in accordance with the technical data sheets for these materials. Protect the filled surface from excessive drying out and moisture.

Wear safety goggles. Clean fresh adhesive stains from profiles with water, and hardened stains with a suitable cleaning agent that does not damage the paint finish.

The information contained in this Technical Data Sheet constitutes basic guidelines for the use of the product and does not exempt the user from the obligation to carry out work in accordance with good building practice and health and safety regulations. With the publication of this Technical Data Sheet, all previous versions are superseded.

The content of the Technical Data Sheet and the symbols and trade names used therein are the property of Atlas sp. z o. o. Unauthorised use will be subject to sanctions.

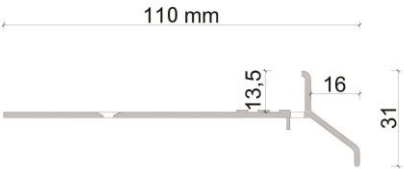
Date of update: 2024-12-16

ATLAS 100 system components

ATLAS 100 External corner 90°



Profile cross-section



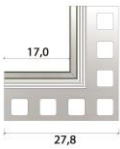
ATLAS 100

Corner projections

ATLAS 100 External corner 135°

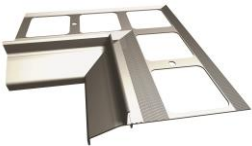


ATLAS 100 External corner 90°



ATLAS 100 Internal corner 90°

ATLAS 100 Internal corner 90°



ATLAS 100 External corner 135°



ATLAS 100 Internal corner 135°

ATLAS 100 Internal corner 135°

