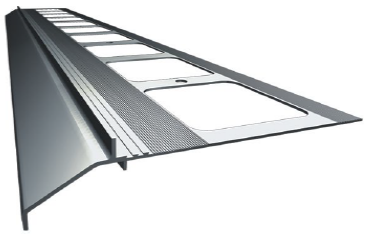
D 40

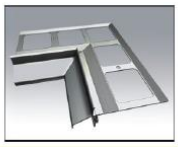
EAVES PROFILE

FOR TERRACES AND BALCONIES WITH CERAMIC TILES FLOOR



COMPLEMENTARY PRODUCTS

OC 40/90



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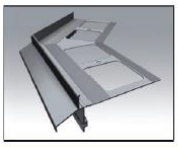
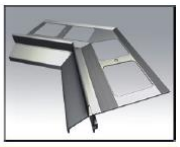


OC 40/135



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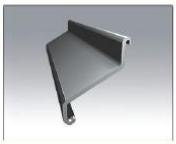
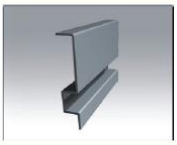
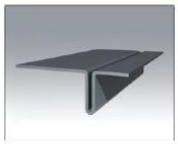


C 30/40



Vertical dilatation connector



Horizontal dilatation connector

WB 30/40 WALL BUMPER

MG75 Gutter bracket

APPLICATIONS:

D40 is an eaves profile for balconies and terraces edging with ceramic tiles floors. It is made of aluminium covered with a polyester coating. It is used in systems with insulation made of suitable cementitious mortar joined with ceramic floor. The shape of the profile allows for a tight connection with insulation and ceramic floor. Drainage holes are situated along the front of the profile, which allow for draining damp from under the floor. Additionally, the structure of the profile allows for system downpipe mounting.

PROPERTIES:

- effective water drainage from the floor
- corrosion and weather resistance
- tightness in eaves areas
- comprehensive solution ensuring a simple and quick assembly
- aesthetic appearance
- system downpipe mounting

TECHNICAL DATA:

BASE	aluminium covered with polyester
Weight	1240 g/m
Polyester layer thickness	ca. 70 µm
Colour	RAL 7037, 8019, 7024

BASE TYPE:

Cement subfloors, other subfloors with appropriate rigidity and carrying capacity.

BASE PREPARATION:

The base must have an appropriate carrying capacity; it must also be even and clean. Cement subfloors should be set, seasoned, free from cracks with appropriate settlement joints. Along the balcony edge, within the width of the mounted profile (80 mm), the base should have an offset (ca. 3 mm down) so that once the profile is mounted, its surface faces the surface of the subfloor.
The offset may be made with the use of an ABS mounting template (available with profiles):
1. In the case of a new cement subfloor - by setting the mounting template in mortar at the time of its setting.
2. In the case of a set cement subfloor - by placing the mounting template on it and aligning the subfloor to the upper surface with a levelling mortar.

TOOLS:

Pocket rule or pocket tape, saw for cutting aluminium, knife, mixer or low-speed electric drill, basket mixer, stainless steel trowel, brush, paintbrush, putty knife or trowel, scaled container. The use of hand saws and chainsaws for cutting aluminium is allowed. It is not allowed to use tools, such as angle grinders, which cause thermal effect (rapid temperature increase) for cutting profiles.

CONSTRUCTION REQUIREMENTS:

Profiles must be mounted under conditions suitable for the use of insulation and assembly materials (cementitious mortar, mechanical or chemical connectors, other materials), according to the data sheets of these materials. The smoothed surface should be protected against overdrying and damping.

ASSEMBLY:

Begin the installation from the corners. Once they are preset, mark the mechanical mounting spot, drill the openings, fix the rawlplug tubes and prefix the corners in order to measure the sections of straight profiles. Measure the profiles in such a way, that leaves ca. 2 mm settlement joints at connections and allows for mounting an WB30/40 wall buffer near walls. Mark the mechanical mounting spots for straight profiles, drill the openings and fix the rawlplug tubes. On the surface of the previously made fault in the subfloor, along the edge of the balcony, put a thin layer of cementitious mortar. Mount vertical settlement connections on all joints and fix the corners and straight profiles on the mortar properly and evenly. Fix the corners and profiles properly and evenly. Partly screw the screws of rawlplugs in and once the cementitious mortar sets initially, screw them in completely. Fix horizontal settlement connections below the profiles and C30/40 connections on the exterior at the height of settlement connections (profile and corner connections). Fill in the expansion gap, along the entire length, with elastic mastic (for outdoor use, e.g. polyurethane). Put 15 cm wide cementitious mortar along the inner profile edge at the junction with cement subfloor. Then, set min. 10 cm wide reinforcement tape in the mortar so that the tape covers the junction. Before the cementitious mortar bonds, remove the masking tape from profiles and corners' drainage holes. Next, waterproof with a suitable cementitious mortar, according to the information included in the manufacturer's technical data sheet. Put ceramic tiles on a suitable adhesive (min. C2-S1) on the waterproofing layer. Remember to leave a min. 6 mm wide gap between the front of the profile and the tiles and put an expansion rope above drainage holes. Fill in the gap between the front of the profile and the tiles with elastic mastic (for outdoor use, e.g. polyurethane). Once the works are finished, immediately remove the masking tape from the external surface of the profiles
Remarks to downpipe hook mounting: Downpipe hooks are suitable for Gamrat and Marley 75 mm wide downpipes. Once the downpipe is selected, adapt the hook in accordance with the information attached to the downpipe hook packaging.
Remarks to floor construction: The floor should have settlement joints with surface areas no larger than 2 x 2 m. The minimum width of joints should be 5 mm. Use tiles which are as small as possible, in bright colours and with absorbability less than 3%. The floor should have a 1.5-2% slope (directly on the construction panel). Use materials suitable for terraces and balconies and observe conditions included in the manufacturer's technical data sheets. Construction of the profile is shown in the figure, which shows its applications.

GENERAL RECOMMENDATIONS - ASSEMBLY:

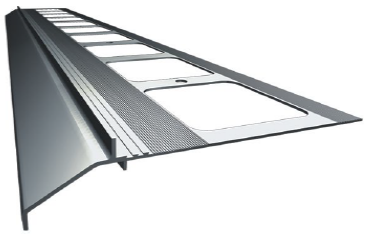
When carrying out the work, protect the profiles paintwork against damage. It is not allowed to mount damaged profiles. If dirty, the profiles should be immediately cleaned with water and non-abrasive cloth. Do not allow the dirt (e.g. cementitious mortar or adhesives) to harden on the outer surface of the profiles. The manufacturer is not liable for damages resulting from improper use of the product, use of inappropriate auxiliary materials and use of wrong tools. The work should be carried out in accordance with the design, technical data sheet, relevant standards, rules of the trade and safety regulations.

GENERAL RECOMMENDATIONS - USE:

Clean the profiles at least twice a year. Clean with clear water and non-abrasive cloth. Do not use strong acid or alkaline cleaners and surfactants which may react with aluminium. Do not use organic solvents with esters, ketones, aromatic compounds, glycol esters, chlorinated hydrocarbons, etc. After each cleaning the surface must be immediately rinsed with clear cold water. Do not use salt and chemicals for defrosting near the profiles. It is recommended to carry out technical inspection of balconies and terraces twice a year in order to check the technical condition of individual elements. Any defects should be removed as soon as possible.

d40 EAVES PROFILE

FOR TERRACES AND BALCONIES WITH CERAMIC TILES FLOOR



TRANSPORT AND STORAGE:

Profile should be transported in covered, dry and clean means of transport, in original cardboard packaging and protected against mechanical damage. Store in dry and clean rooms, where no active chemical vapours and gases are present.

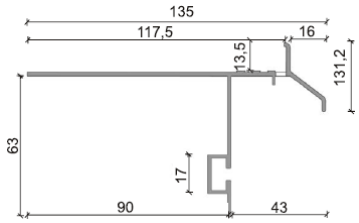
PACKAGING:

D40 profile:	2 m long, 4 pcs in cardboard packaging.
Corners:	1 pc in cardboard packaging.
C30 connector:	10 pcs in cardboard packaging.
Downpipe hooks:	5 sets (1 set = 4 MG75 hook holders + 8 screws)
ABS mounting template:	2 m long, 10 pcs in packaging

Additionally, the packaging includes:

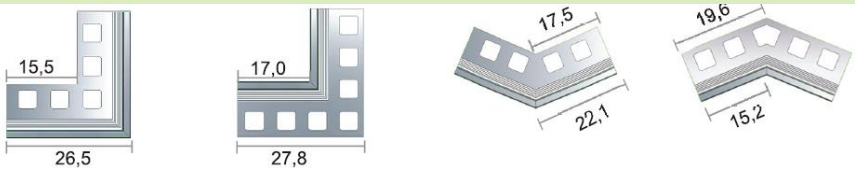
Rawlplugs:	4 pcs for 1 profile, 2 pcs for 1 corner.
Horizontal settlement connections:	2 pcs for 1 profile, 2 pcs for 1 corner
Vertical settlement connections:	2 pcs for 1 profile, 2 pcs for 1 corner

PROFILE SHAPE:



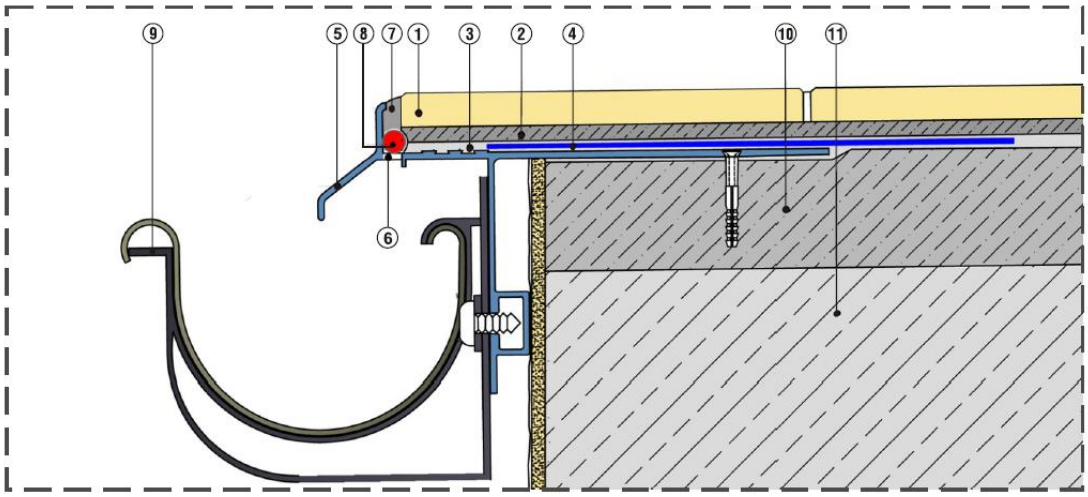
CORNERS:

OC 40/90 OC 40/135 IC 40/90 IC 40/135



APPLICATIONS OF EAVES PROFILE:

EAVES DETAIL



1. Ceramic tiles
2. Adhesive
3. Waterproofing - cementitious mortar
4. Reinforcement tape
5. D40 eaves profile
6. Moisture discharge opening
7. Elastic mastic (for outdoor use e.g. polyurethane)
8. Expansion rope (Ø 6 mm)
9. MG75 downpipe hook
10. Cement subfloor (reinforced)
11. Balcony plate construction

REMARKS:

This "Technical Data Sheet" supersedes the previous sheet.

The information above applies only to general conditions of use of our products and is not a substitution to technical design. If you intend to use the products under conditions other than those specified in the "Technical Data Sheet," the contractor is obliged to ensure that D PLAST products are appropriate for use in these conditions. When working with D PLAST products, it is recommended to use materials from trusted manufacturers. The responsibility of D PLAST a.s. as to the scope and nature of this information may relate only to claims in the case of gross fault (intent or negligence).

D PLAST a.s., U Tescomy 206, Zlín – Lužkovice 760 01 tel. +420 577 610 111 e-mail: info@dplast.cz www.dplast.cz